ISSN 0957–7505

Postharvest News and Information

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Postharvest News and Information

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Postharvest News and Information

1993 Volume 4

Abstracts 1–2992

	(1)	(2)	(3)	(4)	(5)	(6)
DRYING AND CLEANING	1	53	117	179	243	305
GRADING, SORTING AND QUALITY TESTING	4	58	124	183	254	309
HANDLING, PACKING AND TRANSPORT	6	60	127	186	257	312
STORAGE	9	63	130	188	260	314
STORED PRODUCTS PESTS	20	76	144	208	272	329
SPOILAGE, DETERIORATION AND LOSSES	30	81	148	222	279	335
RIPENING AND SENESCENCE	33	85	152	226	283	337
CONTAMINATION AND MYCOTOXINS	40	94	156	231	292	344
PROCESSING AND EXTRACTION	42	101	160	233	295	349
UTILIZATION OF HARVEST AND POSTHARVEST RESIDUES	45	105	—	236	299	356
ECONOMICS AND MARKETING	45	105	168	236	299	356
SOCIAL POLICY AND LEGISLATION	—	—	175	—	—	—
MISCELLANEOUS	48	113	175	238	301	360
REPORTS	49	114	175	239	302	360
CONFERENCES	49	114	176	239	302	361
BOOKS	50	115	177	240	303	361
AUTHOR INDEX	365					
SUBJECT INDEX	383					
LIST OF SOURCE JOURNALS	i					

Conference Proceedings

Technological advances in the transport, handling and storage of fresh horticultural produce. AAB Postharvest Biology Group Conference held at the Natural Resources Institute, Chatham Maritime, Kent, UK on 29 October 1992 ____ 11N

Review Articles

Postharvest diseases of mango
G.I. Johnson and L.M. Coates ____ 27N

Effective disease control in heat-disinfested fruit
L.M. Coates and G.I. Johnson ____ 35N

Postharvest physiology, storage and handling of red raspberry
Jo Ann Robbins and J.K. Fellman ____ 53N

Postharvest characteristics of native Australian flowers
Daryl Joyce, Rod Jones and John Faragher ____ 61N

Microwave drying of cereal grain: advantages and limitations
G.S.V. Raghavan, P. Alvo and U.S. Shivhare ____ 79N

Recent advances in the postharvest physiology, storage and handling of green asparagus
G.A. King, P.L. Hurst, D.E. Irving and R.E. Lill ____ 85N

Recent studies on postharvest physiology and technology of horticultural crops in Japan
Akitsugu Inaba ____ 101N

Postharvest storage and handling of mushrooms: Physiology and technology
R. Noble and K.S. Burton ____ 125N

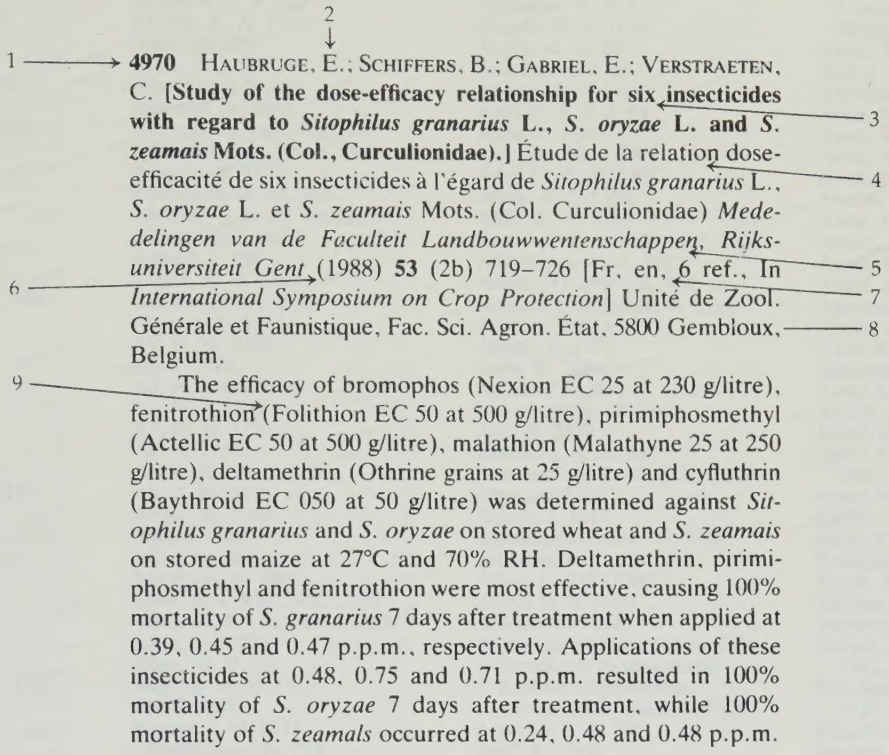
Solar drying of horticultural produce: Present practice and future prospects
R.J. Fuller ____ 131N

X-ray technology for detecting physical quality attributes in agricultural produce
E.W. Tollner ____ 149N

READERS' GUIDE TO ABSTRACTS

The layout of an abstract is indicated below:

1 Abstract number
2 Authors
3 English translation of title
4 Title
5 Journal or other document
6 Year, volume, part and pagination
7 Language of text, language of summary and other bibliographic details. For language abbreviations see below.
8 Address of first author
9 Abstract


2
1
4970 HAUBRUGE, E.; SCHIFFERS, B.; GABRIEL, E.; VERSTRAETEN, C. [Study of the dose-efficacy relationship for six insecticides with regard to Sitophilus granarius L., S. oryzae L. and S. zeamais Mots. (Col., Curculionidae).] Étude de la relation dose-efficacité de six insecticides à l'égard de Sitophilus granarius L., S. oryzae L. et S. zeamais Mots. (Col. Curculionidae) Mededelingen van de Faculteit Landbouwwetenschappen, Rijksuniversiteit Gent (1988) 53 (2b) 719–726 [Fr, en, 6 ref., In International Symposium on Crop Protection] Unité de Zool. Générale et Faunistique, Fac. Sci. Agron. État, 5800 Gembloux, Belgium.
3
4
5
6
7
8
9
The efficacy of bromophos (Nexion EC 25 at 230 g/litre), fenitrothion (Folithion EC 50 at 500 g/litre), pirimiphosmethyl (Actellic EC 50 at 500 g/litre), malathion (Malathyne 25 at 250 g/litre), deltamethrin (Othrine grains at 25 g/litre) and cyfluthrin (Baythroid EC 050 at 50 g/litre) was determined against Sitophilus granarius and S. oryzae on stored wheat and S. zeamais on stored maize at 27°C and 70% RH. Deltamethrin, pirimiphosmethyl and fenitrothion were most effective, causing 100% mortality of S. granarius 7 days after treatment when applied at 0.39, 0.45 and 0.47 p.p.m., respectively. Applications of these insecticides at 0.48, 0.75 and 0.71 p.p.m. resulted in 100% mortality of S. oryzae 7 days after treatment, while 100% mortality of S. zeamals occurred at 0.24, 0.48 and 0.48 p.p.m.

Editorial additions within abstracts appear in square brackets, e.g. for preferred Latin names of plants, animals and microorganisms.

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Af	Afrikaans	En	English	Ja	Japanese	Pt	Portuguese
Al	Albanian	Eo	Esperanto	Ko	Korean	Ro	Romanian
Ar	Arabic	Es	Spanish	La	Latin	Ru	Russian
Az	Azerbaijani	Fi	Finnish	Li	Lithuanian	Sh	Serbo-Croat (either Latin or Cyrillic script)
Be	Byelorussian (White Russian)	Fr	French	Lv	Latvian	Sk	Slovak
		Gr	Greek	Ma	Macedonian	Sn	Slovene
Bg	Bulgarian	He	Hebrew	My	Malay & Bahasa Malaysia	Sv	Swedish
Ch	Chinese	Hu	Hungarian			Ta	Tajik
Cs	Czech	Ia	Interlingua	Nl	Dutch	Tr	Turkish
Da	Danish	In	Indonesian	No	Norwegian	Uk	Ukrainian
De	German	Is	Icelandic	Pe	Persian		
Ee	Estonian	It	Italian	Pl	Polish		

AUTHOR INDEX

Aalbersberg, W. G. L. 867
Aalbu, R. L. 1724
Abansi, C. L. 889
Abawi, G. Y. 982, 2717
Abbas, M. F. 541, 1279
Abbott, J. 2465, 2476
Abbott, J. A. 1049, 2551
Abbouda, S. K. 1101-1102
Abdel-Baky, S. M. 1821
Abdel-Gawad, S. 2212
Abdel-Razek, A. 1805
Abdukakharov, V. S. 237
Abdul Samah, O. 374
Abdulahi, A. 633
Abduvakhabov, A. A. 237
Abe, K. 1890, 1919
Abe, T. 454, 468, 981, 989, 2486
Abel, S. 1910
Aboul-Ela, R. 1805
Abramov, A. F. 27
Accati, E. 747, 2392
Accati Garibaldi, E. 761
Acedo, A. L., Jr. 2820
Acedo-Rico González, J. 384
Aceves Vega, E. 2669
Achal Shah 2395
Aco, E. V. 1392
Acosta, A. 2857
Adam, B. D. 385
Adam, L. R. 1696
Adams, D. O. 730
Adams, J. B. 866
Adamson, A. H. 2179, 2181, 2630
Adán, A. 195
Adeeko, K. A. 1943
Adekenov, S. M. 1734
Ademosun, O. C. 2926
Adesuyi, S. A. 2603
Adetunji, J. F. 227
Adeyemo, T. L. 2045
Adikaram, N. K. B. 267, 1242
Adler, C. 205, 238
Adrian, J. 1954
Adu, B. 969
Afanas'eva, I. M. 698
Affeldt, H. A. 1044, 2551
Agadzhanyan, S. I. 120
Ağaoğlu, Y. S. 2219
Agar, T. 158
Agarwal, H. C. 823
Agravante, J. U. 731, 734, 915
Agrawal, R. K. 1825
Agrawal, Y. C. 477, 2166, 2932
Agricoltura 2475
Agricultural Marketing and Storage Limited 1195
Aguilar, M. 2382
Aguilar L., J. A. 2902
Aguilera, J. M. 1282
Aharoni, N. 726, 1298
Aharoni, Y. 1267
Ahmad, M. S. 1770, 1773
Ahmad, R. 2924
Ahmad Shafi 1510
Ahmadi, H. 312
Ahmed, A. 1540
Ahmed, H. 1773
Ahmed, M. 605, 1540
Ahmed, R. U. 1366
Ahmed, S. 659
Ahn, C. W. 163
Aibara, S. 519
Aimutis, W. R. 121
Aissa, A. K. O. 2057
Aitchison, K. 2622
Aiura, M. 2086-2087
Ajibola, O. O. 1943
Ajlouni, S. O. 1672
Akay, M. T. 1310
Akhmedov, M. Sh. 465
Akhtar, N. 1807
Akinbolu, A. M. 1564
Akinlosotu, A. 849
Akinyele, I. O. 849-850
Akkaravessapong, P. 1162
Akoroda, M. O. 1991
Al-Adil, K. M. 808
Al-Azawi, K. A. 808
Al-Furassy, M. A. 2306
Al-Kahtani, H. A. 1003
Al-Niami, J. H. 541, 1279
Al-Samariee, A. I. 808
Al-Sareh, E. A. 541
Al-Zeir, K. A. 1704
Alam, M. 229
Alam, S. 2737
Albel Singh 2140
Albertini, A. 2695
Albrecht, C. 1601-1602
Albuquerque, L. M. B. 1831
Albuzio, A. 1127
Aldanondo, A. M. 935
Alebeek, F. A. N. van 2292
Aleem, M. A. 1812
Aleksić, I. 239
Algazi, R. V. 2564
AlGhannam, A. 2608
Alhusen, B. 1973
Ali, H. M. 2426
Ali, J. 2938
Ali, M. 1509, 2656
Ali, M. I. 1839
Ali, M. R. 1353
Ali, N. 2157
Ali, S. H. 251
Ali, Z. M. 2819
Alique, R. 2244
Allaf, K. 2061
Allan, E. 202
Allegrone, G. 490
Allen, E. J. 600, 2450, 2783
Allen, M. S. 111, 2624, 2636
Allen, S. J. 2786
Allen, W. H. 38
Allgood, M. E. 2515
Alli, I. 1130
Allison, J. M. 2515
Allmendinger, H. 784
Allnutt, F. J. 2828
Allotey, J. 2744
Almazan, A. M. 1948
Almeida, A. A. de 2261
Aloi, C. 2322
Alonso, A. 818
Alonso, J. M. 714
Alonso Jiménez, E. 2873
Alozie, S. O. 160
Alphen, J. J. M. van 2309
Alphin, J. G. 38
Alston, F. 1896
Altaf, S. 977
Altindağ, N. 653
Altman, S. A. 2833
Alvarado, S. 1151
Alvarenga, S. C. de 1575
Alvarez M., M. 2906, 2916, 2920
Alvarez Soto, A. 2905
Alvisi, F. 898, 907
Alvo, P. 1491, 2023
Aly, M. A. S. 2411
Amadi, L. O. 2867
Amano, T. 1912, 2387
Amar Singh 1013, 2444
Ameen, A. 1056
Ameen, M. 1782
Amin, M. R. 605
Amiruzzaman, M. 1778
Ammann, H. 2576, 2635
Ammendola, S. 1289
Ampofo, K. 224
Amyot, A. 2119
An, J. H. 250
An, K. Y. 2538
Ananthanarayana, R. 1086
Andales, S. C. 1349
Anderson, A. 166
Anderson, D. H. 2622
Anderson, K. 385, 1419
Anderson, S. 421
Andersson, A. 352, 806
Andrade, E. G. 2521
Andrade, F. B. 1803
Andrews, A. S. 2717
Andrews, F. G. 1724
Andrieu, J. P. 113
Andronov, V. F. 6
Angadi, G. S. 2198
Angelova, M. 886
Anil Kumar 1383
Anioke, S. C. 1834
Aniskin, V. I. 5, 84
Anita, S. 1589
Anjugam, M. 1589
Annecke, D. P. 2304
Annis, P. C. 1578
Añón, M. C. 299
Anthony, W. S. 475, 1413, 2923
Antonovich, E. A. 1922
Antony, G. 879, 932, 936
Antunes de Almeida, A. 2261
Anupam Varma 2764
Anwar, T. 1771
Aoba, K. 2808
Aoyama, S. 2859
Apintanapong, M. 2405
Apti, R. 2539
Arancibia, R. A. 679
Arasimovich, V. V. 2206, 2209
Arata, A. 1012
Araujo, J. 1817
Aravantinos-Zafiris, G. 2464
Arbogast, R. T. 188
Arène, L. 748, 750
Arene, O. B. 1991
Arfaioli, P. 1886
Argentina, Instituto Nacional de Tecnología Agropecuaria, Estación Experimental Agropecuaria Manfredi 2505
Argüello, J. A. 595
Arief, R. 2003
Arinze, E. A. 1001, 2053
Arizono, H. 1570
Arjona, H. E. 2215
Armstrong, E. 1206
Armstrong, M. 612
Armstrong, P. R. 70-71, 1049, 1077
Arnade, C. 2953
Arnason, J. T. 2286
Arnaud, G. 2016
Arnould, R. 2613
Arora, A. 1029
Arora, S. 441
Arras, G. 1644
Arroyo, C. L. 1621
Arshad, F. M. 1460
Arshad, J. H. 1312
Artés, F. 597, 737
Arthur, F. H. 218, 643, 2272
Arueya, G. L. 1961
Arul, J. 286, 1892, 1899, 2201
Arulnandhy, V. 2597
Arumugam, R. 1406
Arx, R. von 1835
Aselage, J. 2890
Ashbell, G. 1599, 2637
Ashby, B. H. 1070
Asian Vegetable Research and Development Center 1210-1211
Asselin, A. 286
Atewologun, A. O. 1104
Attah, J. C. 1400
Atteri, B. R. 2473
Atzema, A. J. 460
Aube, T. 1443
Audergon, J. M. 164
Aung, L. H. 472
Australia, Australian Wheat Board 945
Australia, CSIRO 2974
Australia, Davy Quality Management Services 2106
Australia, Northern Territory, Department of Primary Industry and Fisheries 407, 1474
Australia, Queensland Department of Primary Industries, Horticulture Postharvest Group 1470
Autio, W. R. 47
Autrey, L. J. C. 415
Avezdzhanova, G. P. 684, 687
Ávila, M. da G. M. 1953
Awad, M. 1657
Awad, M. A. G. 1686
Awaknavar, J. S. 212
Awaya, K. 117
Awde, J. 2734
Aworh, O. C. 591
Axtell, B. 2992
Axtell, J. D. 1361
Ayodele, V. I. 2676
Ayoub, J. A. 2701
Ayub, R. A. 2381
Azimahtol, H. L. P. 2847
Azmi, M. 1231
Azrieli, A. 1599
Baath, H. 2854, 2870
Babić, L. 1022, 1022, 1088, 1096
Babić, M. 1088, 1096
Babik, J. 1714
Babu, K. N. 1721
Bachmann, T. 516
Bacon, R. K. 43
Badiane, O. 2470
Badulin, A. I. 498
Badyal, K. 2331-2332, 2780-2782, 2784-2785
Baerdemaeker, J. de 459, 488, 1524, 1573, 2000
Bagachwa, M. S. D. 853
Bagheri, H. 827
Bagyo, A. S. 1448
Bai, C. R. 2531
Bailey, A. M. H. 2071
Bailey, J. A. 1999
Bailey, W. G. 2085
Bain, H. 1184
Bain, J. 1097
Baird, C. D. 355
Baitz-Gács, E. 2762
Baker, D. 1558
Baker, J. E. 208-209
Baker, K. D. 453, 1517
Baker, R. A. 1671
Baker, R. V. 1017
Bakhara, C. K. 1945
Bakker-Arkema, F. W. 22, 26, 523, 1095, 1511, 2034, 2039, 2162, 2605
Bakr, M. A. 1332
Bal, J. 2228
Bal, S. 976, 1390
Balagopalan, C. 102
Balagué, C. 2379, 2488
Balan, E. F. 2125
Balardin, R. S. 2767
Balássy, Z. 1585
Balasubramanian, D. 1952
Balasubramanian, V. M. 1952
Bales, B. M. 2184-2186
Balinova-Tsvetkova, A. 875
Balkissoon, F. 2652
Ballantine, L. G. 949
Balogh, E. 2432
Balsari, P. 62
Balu, V. 933
Balvoll, G. 417
Balzarotti, R. 1689
Banar', L. A. 2125

Banaszek, M. M. 2038
Banco, M. J. 836, 1702
Bandyopadhyay, C. 2540
Bangerth, F. 158, 1669, 1674, 2357
Bangu, N. T. A. 1360
Banks, H. J. 266, 2717
Banks, N. H. 66
Bansode, P. C. 232, 1825
Bantash, V. G. 2206, 2221
Banumathy, P. 2891
Bapat, D. R. 2152, 2592
Barakovskikh, A. I. 498
Baraniak, B. 357, 370
Barba, A. 814, 825
Barbanti, D. 2060
Barbeni, M. 490
Barden, C. L. 1685
Barden, J. A. 159
Barendse, H. 511
Bareś, J. 1189
Bargale, P. C. 1350
Bargeron, J. D., III 2113, 2567
Barkai-Goland, R. 1267
Barker, G. L. 1018
Barnard, J. 2011
Barnes, M. M. 1576
Barni, E. 2392
Barnuevo, E. 2036
Barrett, A. 2701
Barrett, J. R. 363, 437
Barrier, J. W. 2935
Barron, D. 2549
Barron, L. J. R. 2809
Barry, C. 2316, 2377
Barson, G. 202
Barth, M. M. 1673
Barthe, P. 326, 332, 339, 748, 2394
Barton, S. 2378, 2386
Barton, S. L. 2368
Bartoš, J. 558
Baryeh, E. A. 2139
Basarić-Dinić, L. 1612
Bashagur, H. M. 996
Basílico, J. C. 2868
Basnet, S. R. 2259
Bass, L. K. 1206
Bassett, M. J. 740
Bassey, M. W. 1391
Basso, C. 596
Basso, L. C. 531
Basso, M. 534
Bastrash, S. 2214
Batra, B. R. 2801
Battaglia, M. 1168
Battu, R. S. 344
Bätz, W. 1185, 1402
Baudet, L. 1537
Baudinette, S. C. 2401
Baugerød, H. 417
Baumann, H. 143
Baumann, R. A. 821
Baumgärtner, J. 1835
Baumgartner, J. 32, 2527
Baur, C. 2561
Bautista, O. K. 2820
Bauville, G. M. 2869
Bayley, A. D. 330
Bazhuryanu, N. S. 2205
Beasley, H. L. 1926
Beaudoin, D. 1190
Beaudry, R. M. 1637, 1681
Beaulieu, R. 2625
Beaver, E. R. 2702
Beaver, R. W. 2838
Becker, T. 1419, 1428
Bedi, S. S. 2278
Bedolla, S. 1363
Beekhuizen, J. G. 402
Beelman, R. B. 566, 1672, 2213
Beeman, R. S. 211
Beeman, R. W. 635, 2282, 2735
Beery, K. E. 421
Begum, S. 1213, 1777
Begun, A. 1213
Behe, B. K. 1977
Behl, R. K. 2598
Behr, R. M. 910
Behra, J. 1813
Beilock, R. 1456
Beke, J. 2010
Bekki, E. 2029
Belbachir, A. 904
Belde, P. J. M. 2398
Belīkava, V. L. 1615
Bell, C. 1762
Bell, C. H. 1726, 2265
Bell, D. K. 801
Bell, R. J. 421
Bellini, E. 2129
Bellisai, M. S. 771
Bello, A. B. 361
Bello, H. 908, 924, 1424
Bellot Vargas, C. H. 2261
Belopukhova, Yu. B. 2234
Belov, N. 264
Belynskaya, E. V. 2396
Ben, J. 1642-1643
Ben-Arie, R. 1259, 1482, 1677, 2646
Ben-Ghedalia, D. 1618
Ben-Yehoshua, S. 680, 1869, 2315
Benady, M. 1048
Benavente, J. M. 1420
Benavides, M. 2990
Bencová, E. 109
Bender, R. J. 596
Benker, C. 1285
Benn, T. L. 1112
Bennett, A. B. 315, 1283, 2384
Bennett, G. A. 2846, 2853, 2858
Bennett, M. A. 822
Benson, M. 706
Benson, P. W. 2503
Bentini, M. 75
Benvenuti, L. 2632
Benz, H. 884-885
Benzi, D. 2322
Beratlief, C. 670
Berentsen, E. 175
Beres, W. 2692
Bergen, G. A. 2575
Berger, H. 2668
Berggötz, T. 455, 984
Bergh, T. 806
Bergmann, K. C. 1466
Bergquist, R. R. 1028
Bergsma, K. A. 2246
Berjak, P. 1235
Bermúdez, A. 587
Bern, C. J. 1958
Bernal, M. D. 597
Bernard, J. K. 2184
Bernes, A. 805
Berruto, R. 521, 1505
Berry, S. K. 219
Berry, S. Z. 871
Berston, J. 67
Bertelli, L. 2424
Bertolini, P. 1153
Berton, O. 596
Bertram, H. 2445
Best, D. J. 1163
Betteravier 2077
Bettiol, W. 1234
Beuchat, L. R. 268, 2850
Beveridge, T. 495
Bezuidenhout, J. J. 157, 275, 2131
Bezuidenhout, T. 180
Bhagat, R. M. 2301, 2755
Bhatane, R. 1390
Bhatia, J. P. 931
Bhatia, S. K. 232
Bhatnagar, D. K. 1877
Bhatnagar, S. 471, 2932
Bhattacharyya, A. 809
Bhattarai, M. R. 2259
Bhatti, N. N. 1238
Bhole, N. G. 2167
Bhuiya, A. D. 605
Bhuiyah, M. D. I. M. 1778
Bhuiyah, M. I. M. 2737
Bhutani, V. P. 2674
Bianco, J. 334
Bielejec, J. 1084
Bieleski, R. L. 1294, 1297
Bielewicz, J. 937
Bienfait, J. M. 2618
Bilanski, W. K. 1002, 1076, 1106, 2192
Biliwa, A. 1218
Billard, J. P. 2593
Bimbenet, J. J. 2013, 2059, 2065
Bin, S. Q. 1016
Binet, M. 2119
Binkerd, K. A. 2410
Biondi, G. 287
Biondi, P. 53
Bird, C. 318
Bird, C. R. 300, 1273, 1893
Birtles, D. B. 313
Bisht, S. S. 1268
Biston, R. 2618
Biswas, S. K. 809
Bittante, G. 1369
Bjarnason, M. 2286
Blahovec, J. 1189, 2586
Blanco, D. 1883
Blanco Carmona, J. 1978
Blanke, M. 544
Blanke, M. M. 293, 307
Blankenship, S. M. 1889, 2670
Blankvoort, M. 2225
Blanpied, G. D. 174, 1661
Blednykh, A. A. 132
Bledsoe, B. L. 2184-2186
Bleicher, J. 596
Blessington, T. M. 2982
Bloomquist, J. R. 2282
Błoszyk, E. 1810
Bludau, D. 2710
Boase, C. J. 627
Bobrova, T. A. 463
Bochat, A. 126-127
Bode, L. E. 1590
Bodenstein, K. H. 891, 952
Bodria, L. 2000
Boekestein, A. 753, 767
Boenke, A. 2406, 2856
Boese, D. E. 279
Boeye, J. 1223, 2297
Bogaie, G. 20
Bogdanov, K. B. 546
Bögl, K. W. 562
Bohuslávek, Z. 1087
Boija, L. 816
Bois, F. 718
Bokanga, M. 2453
Bolay, A. 1251
Boldingh, H. L. 568
Boling, T. M. 1303
Bolkan, H. 2452
Bollen, A. F. 2554, 2584
Bolsen, K. K. 100, 121
Bonassi, I. A. 531
Bondari, K. 1758
Bonde, R. S. 549
Bonet, A. 234
Bonifacio, E. 1033
Bonire, J. J. 2327
Bonkowski, D. 1194
Bonomi, F. 1715
Bonte, D. R. la 2687
Boorer, K. J. 2343
Bopaiah, B. M. 1414
Borges, J. W. M. 1560
Borges, P. 2931
Börjesson, T. 1236
Borkar, P. A. 2135
Borodin, I. F. 253
Boross, F. 2102
Borowska, J. 1370, 2876
Bors, B. 683
Bosch, H. 894-895, 930
Bosch, U. 2427
Bose, M. L. V. 528
Bosetto, M. 1886
Boshra, S. A. 2254
Bosisio, R. G. 10, 963, 2019
Bosma, A. H. 1522, 1623, 1626, 2000
Bosque-Pérez, N. A. 203
Bottazzi, V. 534
Boucher, F. 2937
Boucqué, C. V. 2615
Boungou, P. 1010
Bouquant, J. 1175
Bourbos, V. A. 2326
Bouthillier, M. 48
Bouvier, J. M. 2061
Bouwmeester, H. J. 403
Bouzayen, M. 2316, 2368, 2376-2377, 2386
Bowen, J. H. 1147
Bower, J. 1543
Bower, J. P. 156, 293
Bowers, A. 2373
Bowers, S. V., III 1553
Boyd, C. J. 1264
Boyd, I. M. G. 1182
Boyer, M. J. 421
Boyette, M. D. 1046, 1192, 1571
Bozak, K. R. 2825
Brabander, D. L. de 2615
Brackett, R. E. 268, 1854
Bracy, R. P. 172
Brady, C. 305, 1908, 2811
Brady, C. J. 303, 322, 1274, 2365, 2815
Bragg, T. S. 207
Brajendra Singh 661
Brame, S. 2380
Bramlage, W. J. 47, 154, 174, 1664, 1685, 2227
Branch, B. G. 2514
Brandl, D. G. 254
Brandon, J. R. 52
Brandšteterová, E. 817
Brandt, A. S. 2391, 2400
Brar, K. S. 2714
Brar, S. S. 2688
Brasch, D. J. 736, 2346
Brash, D. W. 2777
Brashears, A. D. 1017
Bratberg, E. 417
Brecht, J. K. 1057, 1062, 1072, 1191, 2246
Breidbach, O. 2732
Brejta, W. 462
Brennan, J. G. 2058
Brennema, T. B. 801
Brent, B. E. 121
Breś, W. 2107
Bressan, R. A. 1732
Briddon, A. 1180, 2243
Bridgeman, B. W. 1808
Brierley, E. R. 1179
Bright, S. 318
Brinkman, U. A. T. 1921
Britton, M. G. 937, 1093, 2148, 2602
Brkić, M. 1022, 1088, 1096
Broadley, R. H. 2496
Broder, J. D. 2935
Brons, A. 2571
Brookfield, P. L. 1688
Brookhart, G. 629
Brophy, G. 1121
Brophy, J. P. 40
Brower, J. H. 228, 1209
Brown, G. K. 71-72, 1049, 1077, 1081
Brown, G. L. 794
Brown, M. G. 910
Brown, P. 1438
Brown, R. B. 969, 1111
Brown, S. J. 635, 2735
Bruce, D. M. 444, 2047
Bruchhaus, E. M. 1939
Bruhin, P. 2522
Brukental, I. 1599
Brunet, D. 2561
Brunt, J. van 316
Brusewitz, G. H. 1050, 1549, 1895, 2122, 2462
Bryant, D. S. 2117
Brzóska, B. 2524
Brzóska, F. 464, 2524
Brzostek, G. 639
Buangsuwon, D. 1331
Bubicz, M. 370
Buchanan, D. A. 1039
Buchgraber, K. 2172
Büchi, R. 248
Buck, N. L. 1104
Buckmaster, D. R. 2191, 2636
Budaev, B. Kh. 2685
Buddendorf, C. J. J. 1720

Budia, F. 195, 2718
Budimir, M. 1316
Budini, R. 1158
Budkevich, A. A. 2208
Bügel Mogensen, B. 785
Buitrago, I. C. 1538
Bulantseva, E. A. 2353
Bull, C. R. 1026, 1521
Bull, J. H. 2380
Bullerman, L. B. 677
Bulletin OEPP 2711-2712, 2763
Bulley, N. R. 2544
Bulut, H. 2288
Bundick, Y. 300
Bunk, A. 2442
Bunn, J. M. 971, 1498
Buraka, I. A. 1615
Burchill, R. T. 1482
Bureau, G. 1175
Bureau, J. M. 1296
Burg, S. P. 1718
Burge, G. K. 1266
Burikam, I. 1228, 1836
Burkholder, W. 217
Burkholder, W. E. 623, 2727
Burkov, A. I. 4, 429
Burkov, G. I. 6
Burmeister, D. M. 2373
Burnette, D. C. 2765
Burns, J. K. 2121
Burrow, R. P. 1518
Burton, K. S. 2230
Burton, W. G. 601
Bush, P. A. 801
Bush, R. K. 186
Bush, R. S. 536
Bushara, A. G. 83
Bushway, R. 804
Busta, F. F. 836
Buta, J. G. 1632
Butler, M. W. 499
Butler, W. O. 1906
Butte, J. 1194
Butterfield, J. E. 2324
Buxton, B. M. 1449, 1976
Büyükyılmaz, M. 2814
Buzási-Győrfi, A. 838
Byers, R. E. 152
Byler, R. K. 475, 1412
Cabanillas, C. G. 804
Cabibel, M. 2362
Cabrera, M. 2459
Cabrera, R. 2299
Cabrera, R. M. 1159
Cacho, J. 717
Cacioppo, O. 1265
Caesar, C. 2401
Cairns, T. 1307
Calbo, A. G. 1546, 1656
Calbo, M. E. 1546
Calbo, M. E. R. 1656
Caldas, F. P. 447
Caldas, L. Q. A. 354
Calderón, A. A. 2792
Calderon, M. 1788, 1804
Calitz, F. J. 146
Callahan, A. M. 2372
Calvo, L. 2244
Camara, B. 319
Cámara, M. A. 814, 825
Cameron, A. C. 503, 1637, 1640
Camoni, I. 771
Campbell, A. D. 710-711
Campbell, B. C. 207
Canada, Grain Research Laboratory 2482
Canayon, A. 2036
Canhão, J. 2719
Cannon, J. M. 2687
Cano, M. P. 719
Cano, P. 1397
Cantwell, M. 1174
Cantwell, M. I. 2223
Cao, C. W. 18, 432, 1507, 2040, 2042
Cao, X. Z. 1199
Capecka, E. 554
Capelli, G. 1393
Cappelle, W. 571
Capps, O., Jr. 908, 923-924
Carandang, A. 2036
Carazzolo, A. 2627
Carballo García, B. M. 1399
Carbonero, P. 1830
Cârdei, E. 1662
Cardona, C. 223-224, 2751
Cardona, T. D. 24, 1339
Caretta, G. 1239
Carey, A. T. 602
Carle, R. 619
Carlton, C. E. 2746
Carman, A. 2858
Carmeli, S. 1869
Carmichael, L. 162
Carmona, D. R. 2900
Carmona, M. J. 1830
Carney, D. 2459
Carotenuto, R. 508
Carpenter, T. G. 1112
Carpintero, C. 112
Carpio, E. V. 1392
Carr, R. A. 421
Carrington, C. M. S. 2645
Carter, C. A. 1428
Carter, L. 2858
Carvacho, O. F. 679
Carvalho, F. C. de 2933
Casa, F. 62
Casada, J. H. 1532
Casada, M. E. 2608
Casady, W. W. 1541, 2545
Cascino, A. 1289
Cascone, G. 367
Casella, M. 2578
Cash, J. N. 371
Casoli, C. 1122
Caspersen, S. 417
Castagnaro, A. 1830
Castaigne, D. 1659
Castaigne, F. 1892, 1899, 2074, 2201, 2214
Castaing, J. 520
Castaldi, M. 389
Castañera, P. 1791, 2299
Castañón, A. A. R. 1619
Castañón, J. I. R. 1619
Castellano, J. M. 2220
Castells, J. E. 717
Castillo, J. 2553
Castrillo, M. 290, 587
Castro, R. C. 38
Catalá, C. 2358
Catedral, I. G. 889
Cathie, J. 877
Cavalieri, R. P. 1073
Cavalli, R. 2632
Ceci, L. N. 557, 607
Cecil, J. E. 360, 1356
Çelikel, F. 1653
Çelikel, F. G. 336
Celis, J. E. 1797
Cenkowski, S. 15, 89, 937
Cera, M. 2000
Cha, Z. X. 1969
Chaabouni, M. 2015
Chadha, K. L. 2966
Chadov, A. N. 1693
Chakrabarti, B. 2265
Chakraborty, A. 809
Chakraborty, M. K. 80, 1587
Chakraverty, M. L. 1457
Chalita, C. 1539
Chal"kova, M. 742
Chalukova, M. 742
Chalutz, E. 1258, 2329
Chamarro, J. 714, 2358
Chambroy, Y. 1175, 1866
Chamovitz, D. 320
Chan, H. T., Jr. 1232
Chanana, Y. R. 2688
Chand, P. 2960
Chandel, Y. S. 2287
Chander, H. 219
Chandgi Ram 958
Chandler, S. F. 2401
Chandra, J. 1872
Chandra, K. L. 1980
Chandra, P. K. 976, 2521
Chandra, S. 2337
Chandrakantha, J. 1221
Chandy, E. 1013
Chang, C. S. 2165
Chang, W. H. 2555
Chang, W. S. 482
Chapman, G. W. 593, 723
Chapman, G. W., Jr. 2098
Chapon, J. F. 2498
Chapya, A. 2715
Charalambous, G. 2976
Charernsom, K. 1228, 1836
Charjan, S. K. U. 1237
Charles, D. J. 1048
Charmley, E. 536
Charthal, S. G. 277
Chase, R. W. 371
Chattopdhyay, P. K. 2167
Chau, K. V. 1057, 1191
Chaudhari, A. N. 1587
Chaudhary, A. S. 2791
Chaudhary, D. R. 1098
Chaudhry, M. Q. 1215
Chaudhury, J. C. S. 1778
Chauhan, G. S. 1029
Chauhan, P. M. 2434
Chauhan, S. S. 1029
Chaurasia, S. N. S. 2238
Chava, N. R. 2211
Chaves, A. 299, 1621
Cheah, L. H. 1266, 2777-2778
Cheigh, H. S. 359
Chełkowski, J. 2404
Chellaraj, G. 1966
Chen, A. H. 421
Chen, C. C. 1492, 2006
Chen, C. Z. 2929
Chen, F. 1280, 2772
Chen, F. S. 2002
Chen, G. 2859
Chen, H. Q. 488
Chen, J. M. 2509
Chen, J. Y. 2108
Chen, K. S. 1647
Chen, L. C. 2760
Chen, L. H. 1529
Chen, M. C. 2760
Chen, M. S. 1751
Chen, P. 2556, 2566
Chen, P. M. 2706
Chen, Q. Q. 852
Chen, Q. X. 604
Chen, S. F. 2095
Chen, S. M. 478, 2555
Chen, T. 2929
Chen, W. Y. 2760-2761
Chen, X. W. 1868
Cheng, X. M. 972
Cheong, K. W. Y. 865
Chepushtanova, E. B. 463
Chernyaeva, I. I. 692
Chessa, I. 713, 1882
Chester-Jones, H. 485
Chestnut, N. E. 860
Cheung, A. Y. 2824
Chhabra, A. K. 958
Chhabra, B. S. 2598
Chies, L. 1369
Chikubu, S. 961
Chimmad, B. 2448
Chimsakolthanakorn, S. 1500
Chin, H. B. 783
Chindemi, G. 1306
Chingduang, S. 2862
Chiranjib Bandyopadhyay 2540
Chirnaksorn, S. 2081
Chitarra, A. B. 2217
Chitarra, M. I. F. 2217
Chitra, K. C. 1812
Chittaranjan, S. 2317
Chiu, Y. C. 478
Chlebowska, D. 869
Cho, Y. J. 1286
Choi, C. 1286
Choinière, G. 2119
Chopra, S. K. 2673, 2675
Choszcz, D. 966
Chourasia, H. K. 708
Christensen, L. P. 1997
Christoffersen, R. E. 321, 2375, 2825
Chu, C. L. 174, 660
Chu, Y. I. 1023
Chu, Z. D. 2088
Chudek, J. A. 2804
Chujo, M. 2741
Chumakov, A. E. 697
Chuman, T. 666, 1722
Chun, Y. S. 2273
Chung, C. S. 2538
Chung, D. S. 1101-1102, 2160
Chuntranuluck, S. 2699
Churchill, G. A. 1909
Chusanatasana, U. 2405
Ciepielewska, D. 1764
Cihan, A. 2513
Činčerová, A. 2709
Cinetto, M. 1127, 2627
Ciotti, A. 1114
Cipollaro, M. 1289
Cisero, M. 490
Citti, P. 771
Clancy, R. L. 942
Clark, C. A. 2497, 2687
Clark, C. J. 568
Clark, G. 1962
Clark, J. D. 256
Clark, J. M. 2282
Clark, J. R. 556
Clarke, B. 2436, 2456
Clavero, M. R. S. 2850
Clay, E. 877
Cleasby, R. C. G. 913
Cleland, A. C. 2699
Clerkx, A. 753
Clerkx, A. C. M. 762, 767
Clifford, M. N. 874
Clinquart, A. 2618
Clower, M., Jr. 782
Clydesdale, F. M. 1347
Cmiljanić, R. 1612
Coaker, T. H. 1728
Coates, W. 2589
Cobb, A. H. 1178-1179, 1183
Cobb, E. D. 2827
Cobbett, C. S. 2401
Cobeña, G. 2908
Čobić, T. 527
Cocconcelli, P. S. 534
Cockfield, S. D. 2268
Codère, D. 162
Codron, J. M. 902-903
Coetzee, J. H. 2307
Coetzer, L. A. 2677
Coffin, R. H. 868
Cohen, E. 1648
Cohen, L. 2329
Colangelo, A. 1006
Cole, R. J. 1342, 2851
Collaud, J. F. 1131
Collignan, A. 469
Collins, J. K. 1170
Collins, M. 975
Collins, P. C. 2982
Collins, P. J. 628, 1808
Columbus, E. P. 2458
Combrink, J. C. 138, 145-146
Combs, J. J. 1616
Côme, D. 396, 414
Compton, J. A. F. 2271
Compton, O. C. 1545
Conceição, E. P. 364
Cong, L. M. 2409
Conijn, C. 2309
Conner, J. 632
Consalter, A. 807
Consigli, R. A. 1790
Constantin, R. J. 172
Converse, H. H. 2165
Conway, J. A. 1787
Conway, W. S. 1670
Cook, M. C. F. 1974
Cook, N. 705
Cooke, D. A. 2986
Coolbear, P. 1944
Coombe, B. G. 2984
Cooper, G. 2189
Cooper, T. 540, 542
Cooper, W. 2316, 2377
Copel, A. 1267
Coquinot, J. P. 2498
Cordero Machado, E. 2570
Corey, K. A. 1172
Corey, S. A. 2987
Corgan, J. N. 2100

Cornish, E. C. 2401
Corporaal, J. 1606
Corral, F. J. W. 1803
Corrales García, J. 1155
Correa, P. C. 2245
Corrigan, J. E. 2756
Corrin, W. R. 861
Corsini, D. L. 1705
Cossu, A. 713
Cossu, M. E. 2627
Costa, J. C. 744-745
Costello, T. A. 1941
Costilla, M. A. 648
Côté, F. 2671
Cothren, J. T. 1371
Cotroneo, A. 1396
Cottyn, B. G. 1604, 2614-2615
Coudure, R. 520
Coulter, H. 878, 880, 954
Coulter, J. 1436
Counce, P. A. 1940
Courtois, F. 2013
Couture, R. 1154
Cowan, D. C. 255
Cox, M. A. 2126
Cox, M. G. S. 1717
Cox, P. D. 191
Cozzi, G. 1369
Craig, R. 618
Craig, W. L. 1070, 1079
Cramer, G. L. 2940
Crassweller, R. M. 2565
Crawford, L. M. 780
Creaser, C. S. 827
Credland, P. F. 221
Creger, T. L. 2871
Cregoe, B. A. 1691
Crepaldi, I. C. 1747
Cripps, A. W. 942
Criseo, G. 1306
Critchley, C. 2210
Croci, C. A. 595
Cronin, D. A. 602
Crookston, R. K. 485
Crozier, A. 2358
Crute, I. R. 1482
Cruz, J. C. de F. 1575
Cuhra, P. 2419
Cui, C. D. 1016
Cui, C. S. 2599
Cundiff, J. S. 453
Cunfer, B. M. 798
Cunnington, A. C. 2243
Cuquerella, J. 1156, 1398
Curaković, M. 2123
Curtin, D. 1121
Curtis, C. E. 256
Curvetto, N. R. 595
Curzio, O. A. 557, 607
Cusker, J. L. 1789
Cutolo, R. 508
Cutsem, P. van 1897
Cutting, J. G. M. 138, 156, 295, 308-309, 729
Cydzik, R. 86, 967
Cyprus, Agricultural Research Institute 2481
Czajka, W. 701
Czechoslovakia, University of Agriculture 1483
Czechoslovakia, Úřad pro Normalizaci a Měření 1503, 2093
Da Silva, F. A. P. 1806
Da Silva, J. B. 1538
Da Silva, J. F. C. 457
Daczewska, M. 464, 2524, 2621
Dadi, L. 1423
Daeschel, M. A. 1855
Daglish, G. J. 201
D'Agostino, S. 1533
Dahiya, P. S. 931
Dahiya, S. S. 2674
Dahl, R. 1763
Dahl, R. P. 2879
Dahlhaus, B. L. 756
Dahlhelm, H. 539
Dai, Y. Z. 518
Dakshinamurthy, A. 2504
Dal Piva, C. A. 2767
D'Alcontres, I. S. 1396
Dale, A. 608, 1476
Dale, B. E. 2887
Dale, M. F. B. 1184
Dalfsen, K. B. van 2085
Dall, D. J. 2987
Dalla Rosa, M. 2060
Dalmatov, V. N. 36
Damayanti, M. 2768
Damodaran, A. D. 2428
D'Amour, J. 1899
Dandekar, A. M. 1832
Dangler, J. M. 292
Daniewski, W. M. 1810
Dapena, E. 1883
Daponte, T. 1625
D'Aquino, S. 713, 2654
Darroch, M. A. G. 913
Darvas, J. M. 284
Das, A. K. 809
Dasanayake, D. M. W. T. 1377
Dash, S. K. 471, 1945
Dass, S. R. 934
Daubeny, H. A. 166
Dauterman, W. C. 2411
Davidchik, L. Ya. 698
Davidson, H. 1267
Davidson, J. I., Jr. 1342
Davie, S. J. 46
Davies, H. V. 150, 491
Davies, J. S. 1645
Davies, K. 716
Davies, K. M. 2579
Davis, D. C. 2886
Davis, J. 1416
Davis, R. C. 2512
Davis, S. Meier- 186
Dawson, B. A. 773, 800
Dawson, D. M. 2355, 2812
Day, B. P. F. 1068
Day, J. L. 1744
Daza, M. 2990
De, D. 231, 236, 249
De Almeida a Silva, M. 457
De Alvarenga, S. C. 1575
De Baerdemaeker, J. 459, 488, 1524, 1573, 2000
De Brabander, D. L. 2615
De Carvalho, F. C. 2933
De Faria, L. J. G. 2001
De Figueroa, L. 283
De Giorgi, A. 1949
De Guzman, Z. 606
De Jager, A. 1657, 1686, 2222
De Jager, E. S. 705
De Jong, D. W. 375
De Kock, J. H. W. 2950
De Kraker, J. 930
De la Plaza, J. L. 2244-2245
De la Rosa, L. 2887
De Leon, C. 2766
De Lima, J. E. 1575
De Martino, E. 1949
De Moel, C. P. 896
De Navarro, Z. S. 1019
De Pascale, A. M. 1038
De Proft, M. 805
De Rijk, T. 616
De Risi, E. 508
De Roos, A. 184
De Villiers, E. A. 1042
De Villiers, E. E. 705
De Villiers, O. T. 296, 709, 715, 2199, 2642
De Visser, C. L. M. 553
De Vries, P. J. 146
De Wet, E. 2677
De Wit, J. 1295
De Witte, Y. 751
Deambrogio, F. 747, 761
Dean, B. 1705
Deck, S. 2094, 2559, 2565
Deckers, T. 1666
DeEll, J. R. 1171, 2196
Deer-Ascough, L. 363
Degani, C. 2693
Degerman, G. 2878
Degtyareva, S. P. 692
Deikman, J. 2826
Del Estal, P. 2718
Del Mar Sola, M. 1167
Del Río, M. A. 1156, 1398
Delgado, A. 2917
Delgado, P. O. 679
Deli, J. 2363
Della Gatta, C. 1760
DellaPenna, D. 314-315, 1278
Delobel, A. 665
Delobel, B. 630
Delost-Lewis, K. 851
Delwiche, M. J. 1043, 1047, 1556, 2110, 2562
Demakov, V. 1591
Demarquilly, C. 113
Demateo, A. 679
Demianyk, C. J. 216
Demirören, S. 2813
Den Heuvel, J. van 1838
Dendsay, J. P. S. 2787
Dendy, D. A. V. 1478
Dendy, J. 221
Deneke, C. F. 618
Denell, R. E. 211, 635, 2735
Deng, Q. X. 470
Deng, Y. 844
Deng, Z. Q. 668
Denis-Arrue, R. 2320
Dennill, G. B. 1841
Deochake, K. J. 986
Deol, I. S. 2688
Desa, A. 2583
Deshpande, S. S. 2989
Desjardins, A. E. 1260
Desmorieux, H. 2067
Dethe, M. D. 795, 837
Devaraj, K. C. 1811
Dever, M. 48
Dewey, F. M. 674
DeWitt, C. A. 1498
Dhaliwal, G. S. 1824
Dhamdhere, S. V. 2724
Dhanasekaran, S. 246
Dhar, B. L. 1649
Dharam Vir 672
Dhawan, A. K. 2787
D'hont, K. 756
Dhumal, S. S. 2842
Di Muccio, A. 771
Di Tonno, A. 2325
Diamante, L. M. 474
Dianco, A. 606
Dias, J. C. 1953
Dias, R. 664
Díaz, M. F. 2857
Dick, K. 223-224
Dickens, J. W. 480
Dickerson, J. T. 532
Dickinson, C. D. 1906
Dickinson, J. A. 2726
Dickler, E. 950
Diehl, J. F. 2145
Dien, L. D. 1378
Diepen, S. van 73
Diesing, P. 123
Dietrich, B. 2788
Dietz, H. M. 846
Dietze, R. 2442
Dijk, A. van 511
Dijkmann, E. 821
Dikshit, A. K. 803, 1925
Dilawari, V. K. 1824
Dilday, R. H. 1941
Dilley, D. R. 2373
Dimick, P. S. 2925
Dinat, S. 1358
D'Incà, M. 62
Ding, S. Y. 2816
Diop, A. 862, 1588
Dippon, K. 2518
Dishburger, H. J. 949
Dissanayake, K. A. 983
Ditshipi, P. P. 2941
Dizdaroğlu, T. 2539
Dlamini, P. M. 2941
Dmitriev, A. P. 1249
Do Nascimento, L. M. 2217
Do Pico, G. A. 398
Dobrzanski, B. 496-497, 940
Dobrzycki, J. 179
Dodd, M. C. 2203
Dodd, R. B. 1553
Dolci, M. 747
Doležal, P. 107
Dolgov, I. A. 2889
Domínguez, M. 1281
Domínguez-Puigjaner, E. 2347
Donahaye, E. 215, 664, 1207
Donato, M. G. 1396
Dong, A. 2158
Dong, J. 919
Dong, J. G. 2374
Dong, T. Y. 2531, 2880
Doordiun, J. C. 2389
Doorn, W. G. van 510, 751-755, 1295, 1720, 2397-2399
Doorn, W. van 57
Dopico, B. 1905
Đorđević-Milošević, S. 116, 2628
Dorner, J. W. 1342, 2851
Dorszewski, P. 1126
Dos Santos, D. S. B. 1493
Dos Santos, R. de F. A. 2218
Dostal-Lange, D. L. 1637
Douggar, M. G. 1489
Douglas, P. L. 449
Douglass, M. P. 88, 1110
Dourtoglou, V. 718
Dover, C. J. 1678
Dow Plastics 1624
Dowell, F. E. 1342, 2851
Downs, C. G. 322
Downs, R. E. 1962
Doyle, J. 2692
Doyon, G. 551
Dragland, S. 175
Drake, S. R. 662, 2647
Dreise, G. R. 323
Drewes, F. E. 330
Drincha, V. M. 5
Driscoll, R. H. 2
Driver, M. G. 2701
Drobotă, G. 1662
Droby, S. 1258, 2329
Drory, A. 2834
Drożdż, B. 1810
Dry, P. R. 2984
Du Toit, W. J. 1042
Dubey, J. K. 824
Dubinchuk, Yu. N. 1241
Dubois, P. 763
Dudarenko, G. 1845
Dudek, J. 822
Duff, B. 889
Duff, H. G. 421
Duffner, F. 1121
Dufour, J. P. 2822
Dufrasne, I. 2618
Duhlinska, D. D. 1201
Duĭsekenov, K. M. 493
Dumargue, P. 2078
Dumitrescu, G. 1662
Duncan, A. A. 1545
Duncan, D. 1545
Duncan, G. A. 1021, 1532
Duncan, H. J. 1182
Dundi, K. B. 1187
Dunkel, F. V. 1789
Dunlap, J. R. 2802
Dunn, L. J. 2372
Dunton, W. 1456
Duprat, F. 164, 2560
Duranti, E. 1122
Durchenkov, V. A. 14
Dureja, P. 652
Đurić, M. 676
Durkin, D. 748
Dushmanitch, V. Y. 913
Dushyant Singh 2749
Duwadi, V. R. 2259
Dvořáček, J. 107
Dvořák, K. A. 2921
Dvořák, P. 2709
Dwivedi, P. K. 1825
D'yachkov, V. 1591
Dzisi, A. K. 1110
Earley, T. C. 2961
Ebersole, S. 271
Eccher Zerbini, P. 1689
Ece, M. C. 2513
Echániz, B. 818
Echeverri, L. G. 916
Eckert, J. W. 270, 2330
Edberg, R. J. 2158

Eddington, D. L. 476
Edward, T. 1759
Edwards, M. 1641
Edwards, R. 716
Ee, G. R. van 436
Ee, G. van 1950
Eeden, S. J. van 138, 146, 156, 295
Eelkema, M. 201
Eenaeme, C. van 2618
Eesa, N. M. 181
Effmert, B. 1071
Efiuvwevwere, B. J. O. 2867
Egberts, E. 1461
Egofarova, R. Kh. 2234
Eguez, C. 2914
Ehinmidu, J. O. 2327
Ehlert, S. H. 70
Ėĭkhe, M. M. 699
Eilam, Z. 54
Eiroa, M. N. U. 1344, 1579
Eisenbach, J. 927
Ejeta, G. 1361
Eke, B. N. 1834
Ekström, N. 522
Ekwukoma, B. O. 1898
El-Bazza, Z. E. 350
El-Geddawy, M. A. H. 2212
El-Ghaouoth, A. 2201
El-Ghar, G. E. S. A. 1829
El-Habbal, M. S. 2153
El-Moursy, A. 1805
El-Nahal, A. K. M. 189
El-Rify, M. N. 2212
El-Sayed, A. 2421
El-Sayed, A. A. 2420
Elad, Y. 1247, 1269-1270, 1875
Elcüman, A. 1310
Eldredge, E. P. 372, 2447
Elemery, M. I. 2596
Elepaño, A. R. 985, 995, 1388-1389
Elizalde V., H. F. 1603
Ellinger, W. 926
Elliott, K. J. 1906
Ellis, F. 1426, 2942
Ellis, W. O. 1299, 2841
Elsässer, M. 456
Emery, P. W. 1365
Emlay, D. 1998
Emond, J. P. 1057
Endinkeau, K. 2875
Endo, M. 768
Enge, R. 461
English, H. 2334, 2774
Enishi, O. 97
Enomoto 1496
Enomoto, T. 2030
Epley, D. G. 563
Epperlein, K. 2296
Epperson, J. E. 1971
Epton, H. A. S. 1257, 2323
Erasmus, M. J. 1841
Eraso Luca de Tena, F. 377
Erbacher, J. M. 201
Ericsson, N. A. 1668
Erkan, O. 1061
Ernst, R. 1149
Ershov, Yu. F. 173
Erstad, A. 417
Ertan, Ü. 1653, 2813-2814
Es, A. van 601
Escher, F. E. 1041
Escobar, A. 2857
Escribano, J. A. 814, 825
Escriche, A. J. 597
Esguerra, E. B. 2800, 2821
Esmay, M. L. 669
Esper, A. 455, 984
Espina, S. 2665-2667
Espinola, N. 2990
Esquite Castillo, A. 2912-2913
Estal, P. del 195, 2718
Eswarappa, H. 1086
Ethiraj, S. 1959
Eto, M. 1775, 2733
Evangelista, A. R. 101
Evangelista, D. L. 1376
Evans, D. J. 819
Evans, M. D. 1059, 2164
Evensen, K. B. 618, 1851, 1876, 2836
Ěverstova, U. K. 697
Ewaidah, E. H. 2407
Ewing, D. F. 267
Ezeh, N. O. A. 1193
Ezekiel, R. 2063
Fabbri, A. A. 2412
Fábián, L. 858
Faborode, M. O. 2079
Facchini, U. 2031
Facteau, T. J. 860
Fahimuddin 1427
Failla, O. 2091
Fairbairn, R. L. 1130
Fairchild, G. F. 910
Falandysz, J. 791
Fallik, E. 1262
Famurewa, O. 707
Fan, X. H. 482
Fan, X. L. 13, 2043
Fanelli, C. 1240, 2412
Fang, H. S. 2760
Fang, J. X. 1141
Fang, R. M. 39, 42, 479
Fano, H. 2990
Faragher, J. 1918
Faragher, J. D. 2397
Fardiaz, S. 2415
Farghaly, M. 1311, 1317
Farghaly, M. A. 1583
Faria, L. J. G. de 2001
Farjam, A. 1921
Farkas, I. 2012
Farmer, E. E. 1292
Faroni, L. R. A. 1816
Farris, P. L. 1966
Fasina, O. O. 1943, 2052
Faubion, J. M. 1357
Faungfupong, S. 1331
Faure, J. 1536
Faust, M. 1145, 2200
Fava, A. 1740
Favier, J. F. 2033
Fechner, M. 2171
Fedler, C. B. 1100
Fedorova, R. N. 673
Fehr, R. L. 975
Fehrmann, E. 2170
Fei, X. N. 170
Fel'dman, Ya. N. 500
Fellman, J. K. 1039, 1903
Fellner, V. 524
Feng, G. 1751
Feng, G. H. 629
Feng, J. Y. 2187
Feng, S. Q. 579
Feng, Y. 1032
Ferguson, I. B. 1147, 1253, 1629, 1676
Fernández, J. A. 271, 1830
Fernández, J. C. 2796
Fernández, J. E. 679
Fernández, P. 717
Fernández-Bolaños, J. 2796
Fernández-Maculet, J. C. 2374
Fernández Pinto, V. E. 1927
Ferreira, V. 717
Ferrer, C. 744-745
Ferrero, A. 1134
Ferrero, A. F. 2190
Ferris, R. S. B. 2663
Ferro, A. J. 2797
Ferro, G. 1306
Feser, W. 1395
Feungchan, S. 1291
Feyerherm, A. M. 121
Fiems, L. O. 2615
Figueiredo, D. 1817
Figueroa, E. E. 916
Figueroa, G. E. S. 1415
Figueroa, L. de 283
Filimonova, M. V. 2396
Finger, F. L. 2351
Finglas, P. 2856
Firman, D. 600
Firman, D. M. 2783
Firmin, A. 733
Fischer, D. F. 1070
Fischer, H. 393
Fischer, I. 2369
Fischer, R. L. 315, 1283, 2382, 2826
Fishel, D. 2372
Fisher, L. J. 1613, 2623
Fitzmaurice, L. 1906
Fitzsimons, A. 1121
Fjeld, T. 328
Flach, M. 1337
Flaherty, D. L. 1997
Fleming, D. A. 202
Fleming, E. 878-879, 932, 936, 954
Fleming, H. P. 1855
Fleurat-Lessard, F. 210, 625
Fleuriet, A. 1138
Flick, D. 2015
Flinn, P. W. 1801, 2727
Flipot, P. M. 535
Flizikowski, J. 2435, 2438
Fløynes, M. 545
Flores, J. B. 1803
Flores S., M. E. 1792
Floresca, O. E. 2028
Florkowski, W. J. 40, 1544
Floyd, R. M. 1264
Fluck, R. C. 58
Fohr, J. P. 2016
Fokkema, N. J. 1870
Fon, D. S. 400, 478, 2555
Fong, W. G. 779
Fonseca, C. 2990
Fontaine, O. 2593
Fontenot, J. F. 172
Food and Agriculture Organization 1481, 2466, 2988
Food Processing, UK 130
Forbus, W. R., Jr. 1547
Forbush, T. 71
Forbush, T. D. 70
Forestieri, F. 1306
Fornal, Ł. 968, 1764
Forney, C. F. 2320
Forrest, M. 759
Forristal, D. 1133
Foster, S. P. 1838
Fournier, M. 162
Fouse, D. C. 472
Foutz, T. L. 1059, 2164
Fox, G. 387, 1429
Fraga, B. M. 2299
Francile, A. S. 1168-1169
Francis, I. L. 2104
Francis, O. 2858
Frangne, R. 1954
Frankel, H. 1247
Franz, C. 2115
Franzei, S. 1423
Franzetti, L. 2424
Fraser, H. 1074-1075
Fray, R. 2378
Fray, R. G. 2829
Freeland, R. S. 2186
Fregeau-Reid, J. 2286
Freger, Yu. L. 31, 36
Frei, R. W. 1921
Frejnagel, S. 1370
French, V. 2275
Friedrich, H. P. 2147
Friesen, K. S. 211
Frio, A. S. 1479
Frolova, A. S. 120
Frydecka-Mazurczyk, A. 1697-1699
Fuchs, R. L. 1465
Fuchs, Y. 727
Fujii, J. K. 1844
Fujino, K. 1703
Fujisawa, T. 2849, 2863
Fujita, M. 724, 2086-2087
Fukami, J. I. 1794
Fuller, S. 908, 923-924, 1424, 1534
Funk, C. J. 1790
Furman, D. T. 1022
Furukawa, T. 1913
Fuster, C. 1397
Gaba, V. 2329
Gabińska, K. 2594
Gac, A. 513
Gafurov, N. M. 1734
Gagarina, A. B. 2208
Gahukar, R. T. 640
Gaĭdaĭ, G. S. 2242
Gaillard, F. 2188
Galán Saúco, V. 1067
Gale, J. 2286
Galili, N. 1550
Gall, H. 2141
Gallerani, G. 543, 1153, 1158, 2696
Galleschi, L. 2795
Galletti, L. 2668
Galli, A. 2424
Galoux, M. 805
Galvão, J. D. 101
Gambie, A. R. 830
Gan-Mor, S. 1566
Gandhi, J. R. 1784
Gangadevi, P. 2619
Gao, J. P. 721
Garcés Sotillos, M. del M. 1978
Garcia, A. A. 457
García, J. M. 2220, 2658
García, O. 2553
Garcia, R. 101, 457
García Aguirre, G. 2413-2414
García-Casado, G. 1791
García-Mari, F. 1816
García-Maroto, F. 1830
García-Martínez, J. L. 714
García-Olmedo, F. 1830
García Pérez, A. W. 2873
Gardner, H. W. 1260
Gardyan, C. 828
Garello, G. 326, 334
Garibaldi, A. 2322
Garibaldi, E. A. 761
Garner, J. C. 1563
Garner, J. O., Jr. 2215
Garpinchenko, T. V. 6
Garzón, J. 2553
Gasic, S. 1316
Gaspar, C. 649, 2290-2291
Gaspar, M. 2269
Gaston, L. K. 812, 831
Gatehouse, A. M. R. 1733
Gatta, C. della 1760
Gaudet, D. A. 700
Gautrais, I. 2401
Gautz, L. D. 1052
Gavin, A. M. 421
Gavrish, S. F. 546, 2690
Gawęda, M. 554, 1642-1643
Gay, C. 1558
Gay, G. 2064
Gaye, M. M. 2317
Gayen, P. 235, 2101
Gazit, S. 2693
Geeta Sumbali 2332
Geng, S. 483
Genge, P. 1896
Genigeorgis, C. A. 836
Genutis, A. 8
George, G. 244
George, S. 1784
Georgescu, T. 1662
Georgiadis, J. 905
Geyer, M. 1569
Ghaouth, A. E. 286
Ghimire, A. J. 2259
Ghogomu, T. R. 2283
Ghosh, D. K. 2101
Ghouri, N. 1303
Gianfagna, T. J. 1888
Gibbs, I. H. 257
Gibson, H. J. 2649
Gielen, M. 2618
Gieroba, J. 1000
Giesbrecht, F. G. 480
Giga, D. P. 240, 2719
Gil, S. 2561
Gilbert, J. 349, 2406
Gilbert, R. A. 1072
Giles, J. E. 2672
Gilfillan, I. M. 139
Gilliland, M. G. 2541
Gimalov, Kh. Kh. 19
Giner, S. A. 2047
Ginting, E. 1386
Giorgi, A. de 1949
Giovanni, R. 1607
Giovannoni, J. J. 314-315, 1909

Gipson, R. D. 1744
Giroux, A. 381
Giroux, M. 2019
Givens, D. I. 2179, 2181, 2630
Gladstone, S. M. 638
Glicenstein, L. J. 618
Gloter, P. 726
Glucina, P. 149
Glushko, V. P. 1011
Glynn, M. T. 1078
Gmaj, S. 611
Gnakri, D. 298
Gobbi, A. 2718
Godfrey, S. 956
Godycka, I. 1370
Goffings, G. 1667
Goh, K. M. 552
Gokalp, H. Y. 2928
Gokkes, M. 1875
Golachowski, A. 2446
Gołacki, K. 2111-2112
Golcz, A. 2107
Goldfrank, W. L. 914
Goldman, A. 183
Goldschmidt, E. E. 151
Golemansky, V. G. 1201
Goliáš, J. 2896
Golob, P. 642, 1436
Golysheva, M. A. 2970
Golz, J. T. 2945
Gomes, P. I. 2769
Gómez, L. 1791, 1830
Gomez, M. I. 1478
Gómez, S. 914
Gómez-Lim, M. A. 1880
Goncharenko, N. G. 1922
Goncharov, N. R. 690
Gong, S. 1172, 2132
Gong, Y. L. 2241
Gonzalez, A. R. 2890
González, M. 2857
Gonzalez, R. H. 1345
González-Coloma, A. 2299
Goodchild, D. 303
Goodman, B. A. 2804
Goodman, N. 1852
Goodman, R. M. 1277
Goodship, G. 2154
Gooley, A. 322
Gopalakrishnan, N. 2428
Gopalan, M. 233
Gordon, D. M. 184
Gordon, S. H. 2846
Górecki, R. 137
Gorin, N. 323, 616
Gorini, F. 590, 2325
Gorman, M. A. 421
Gorris, L. G. M. 1068-1069
Gorsel, R. van 1144
Goryneva, O. V. 2234
Gosselin, C. 1899
Goswami, L. 2744
Goszczyńska, D. M. 614, 2835
Gotlib, Y. 1269
Goto, K. 2159
Gottschalk, K. 2705
Goulart, B. L. 1851
Gould, W. P. 260
Goulding, K. H. 2975
Goupy, P. M. 561, 722, 2127-2128
Govinden, N. 415, 865
Goyal, R. K. 1333
Goyel, S. K. 2066
Gräbner, H. 2255
Grabowicz, M. 1124
Grabowski, S. 2073
Gradziel, T. M. 2692
Graell, J. 573, 1901
Graham, M. W. 2401
Graham, R. 458, 2049
Gran, C. 2373
Gran, C. D. 1681
Grant, J. A. 1756
Grant, W. R. 1424, 1534
Grassert, V. 2239
Grassi, M. 1865
Graver, J. van S. 1578
Gravoueille, J. M. 1407
Gray, J. 1274, 1435
Gray, J. E. 2378
Green, R. H. 1351
Greenberg, J. 151
Greene, G. M., II 2689
Greene, R. V. 2846
Greenhalgh, J. F. D. 1617
Gregory, J. M. 21, 1100
Grenier, J. 286
Greve, C. 312
Greve, L. C. 712
Grierson, D. 300, 318, 716, 1273, 1290, 1905, 1907, 2316, 2368, 2376-2379, 2386, 2829
Griffiths, D. W. 1184
Grimstad, S. O. 417
Grinberg, S. 1262
Grinstein, A. 1247
Grob, K. 790
Grochowicz, J. 1586
Grodzinskiĭ, D. M. 1249
Grønnerød, B. 461
Grose, M. J. 674
Gross, K. C. 2348
Gross, O. K. 698
Grotte-Nicolas, M. 2560
Grover, P. 245
Gruber, L. 1600
Grundas, S. 2574
Gu, Y. Z. 2241
Gualde, J. 906
Guarda, P. A. 490
Guarnieri, A. 75
Gudaitis, A. 1060
Gudin, S. 326, 332, 339, 764
Guedes, R. N. C. 1806
Guerra, P. 2264
Guerrero, T. 606
Guerrisi, R. 1306
Gugerli, P. 2561
Guggenberger, R. 562
Guh, J. O. 1581
Guidetti, C. 1930
Guignard, A. 346
Guigon, P. 2061
Guillaud, J. 630
Guillén, R. 2796
Guinebretière, M. H. 1866
Gullino, M. L. 2322
Gumulka, M. 1810
Gunasekaran, S. 9, 1501
Gunathilagaraj, K. 1759
Gunawardena, N. E. 2730
Gunderson, E. L. 341-342
Gunter, D. L. 909
Guo, L. 2880
Guo, P. G. 470
Guo, P. Y. 525
Guo, Y. 2085
Gupta, A. K. 970, 1254, 2044
Gupta, A. P. 2166
Gupta, C. P. 983
Gupta, D. 2279
Gupta, M. K. 421
Gupta, O. P. 2661, 2968
Gupta, R. 2166
Gupta, R. K. 2633
Gupta, R. P. 2313
Gupta, S. P. 1813
Gupta, V. K. 2416
Guritno, P. 2439
Gürkan, M. O. 2288
Gurney, W. S. C. 184
Gusev, M. V. 2595
Gussman, C. D. 1888
Gutiérrez, C. 1791, 2299
Gutiérrez, J. 2668
Gutiérrez, M. 1167
Gutiérrez, M. D. 1883
Gutiérrez, N. 923, 1534
Gutierrez, P. 1115, 2616
Guttormsen, G. 417
Guzman, Z. de 606
Guzzo, V. 807
Gvozdenović, J. 2123
Gvozdev, A. V. 125
Gyanendra Singh 1942
Gyger, R. F. 2582
Győrffy, S. 2958
Ha, Y. W. 82
Haaksma, J. 1113
Haase, N. U. 1401
Habashy, N. T. 379
Habiba, R. A. 2426
Hack, G. R. 399
Hackenberg, G. 2572
Hadders, G. 2882
Hadjichristodoulou, A. 637
Hadula, E. 114
Haffner, K. E. 1690
Hagenmaier, R. D. 1164, 1671
Haghighi, K. 443
Hagstrum, D. W. 192, 1801, 1809
Hagura, Y. 1528
Haigh, P. M. 530, 1129
Haile, A. 633
Hajšlová, J. 2419
Hak, P. S. 1634
Hald, B. 2856
Halderson, J. L. 2367, 2608
Halid, H. 1787
Hall, C. B. 740
Hall, L. 300
Hall, S. M. 702
Hallas, T. E. 1763
Hallett, I. C. 2360, 2641
Halliday, L. J. 537
Halliday, W. R. 2272
Hallman, G. J. 259
Hallman, G. L. 1631
Hallman, R. R. 2048
Halos, L. S. 995, 1382
Hamad, W. J. 2810
Hamed, M. 1776
Hamilton, A. J. 1907, 2316, 2368, 2376-2378, 2386
Hammer, P. E. 1851, 1876
Hammond, E. G. 421
Hammonds, T. W. 2430, 2449
Hamzat, K. O. 2436
Han, D. 468
Han, E. D. 250
Han, P. J. 1372
Han, S. 2556
Han, S. S. 2393
Han, X. W. 1745
Han, Y. J. 1032, 1553
Handa, S. K. 1923
Handelsman, J. 1860
Hang, J. L. 2082
Hankin, L. 2843-2844
Hanna, M. A. 677
Hannah, L. C. 740
Hansen, D. J. 2041
Hansen, J. D. 624, 667, 1232, 2308
Hansen, J. L. 122
Hansen, M. 304, 417
Hansen, R. C. 1024
Hao, D. 15
Hao, P. Y. 515, 2590
Haq, A. 1314
Hara, A. H. 667, 1232, 2308
Hara, S. 2859
Harder, B. 1611
Hardjosuwito, B. 1955
Hardy, J. 729
Hargreaves B., A. 1603
Harkema, H. 752
Harker, F. R. 1139, 1688, 1891, 2641
Harney, M. 1820
Harpal Singh 2934
Harren, F. 331, 1915
Harrigan, T. M. 2183
Harris, C. M. 472, 1066, 2753-2754
Harris, P. M. 865
Harris, R. V. 846, 2430, 2449, 2885
Harriss, B. 2943
Hartill, W. F. T. 278
Hartman, M. 108
Hartmann, C. 2202
Hartmans, K. J. 601
Hartsell, P. L. 662, 2753-2754
Hartz, T. K. 1638
Harvey, J. M. 2753
Harwalkar, M. R. 1833
Hasaballa, Z. A. 1821, 2254
Hasegawa, Y. 832
Hasenhuettl, G. L. 421
Hashifah, M. A. 1938
Hashimoto, H. 1931-1932, 2845
Hassanali, A. 2715, 2743
Hassen, M. 1361
Hastert, R. C. 421
Hata, S. 16
Hatem, M. E. 2860
Hatfield, R. D. 1610
Hatfield, S. 1896
Haubruge, E. 649, 2269, 2290-2291
Hauptli, H. 1277
Havey, M. J. 1860
Havilah, E. J. 2174
Hawlitzky, N. 2260
Hayakawa, S. 961
Hayami, Y. 1448
Hayashi, H. 2007
Hayashi, S. 1497, 1557, 2070
Hayashi, T. 2681-2682
Haydu, J. J. 2964
Haynes, Y. 67
Hazarika, C. 383
Hazarika, S. 1925
Hazzaa, N. I. 1318
He, D. 1628
He, X. P. 426
He, Y. 941
He, Y. S. 941
Head, S. W. 2430, 2449
Heck, R. D. 1044
Heddi, A. 1798
Heflebower, R. 2828
Hegazi, B. 345, 1318
Hegde, M. R. 1472
Hegney, M. A. 864
Heide, L. 562
Heidenreich, E. 1364
Heil, J. R. 847
Heil, S. 786
Heinemann, P. H. 2094, 2559, 2565
Heinrichs, A. J. 2191
Helenius, J. 198
Hellickson, M. L. 1194, 2706
Helsen, A. 1065
Heluane, H. 283
Hemati, M. 2021
Hemphill, R. 2548
Hemptinne, J. L. 2291
Henderson, A. R. 1597-1598, 1995, 2622
Henderson, D. 1447
Henderson, N. 1995
Henis, Y. 1869
Henk, L. L. 2177
Henneberry, D. 1963
Henning, R. C. 2367
Hennion, S. 2202
Henrique, W. 528
Henskens, H. 2402
Hensley, M. J. 942
Henson, D. J. 1248
Henz, G. P. 2218
Hepworth, A. 2433
Herath, H. M. W. K. B. 2730
Herceghalmi-Pankotai, M. 838
Herderich, M. 1395
Heredia, A. 2796
Hernández, I. A. 2930
Hernández, O. 1227
Hernandez Hernandez, J. M. 273
Hernández Lozano, R. 1964
Hernández-Lucas, C. 1830
Hernández Rivera, L. 1174
Heron, S. 1995
Heron, S. J. E. 1995
Herregods, M. 1667
Herrera, J. E. 2897-2920, 2937, 2990
Herrmann, A. 2577
Herry, M. P. 2872
Herter, U. 1131
Hertwig, F. 2169
Hesen, J. C. 863
Hetherington, M. J. 2105
Heupel, R. C. 1278
Heuvel, J. van den 1838
Hewitt, G. M. 2740
Heyes, J. A. 301

Hiatt, W. 1998
Hiatt, W. R. 2383, 2452
Hibma, J. 1295
Hicks, P. A. 1479
Hide, G. A. 702, 2340, 2343
Hidoh, O. 1794
Higuchi, K. 451, 1495
Hikida, H. 468
Hikida, Y. 454, 981, 989
Hilder, V. A. 1733
Hill, A. S. 1926
Hill, B. D. 1343
Hill, L. D. 40, 416
Hill, M. J. 1944
Hill, S. E. 2440
Himoto, J. 980, 1555
Hindmarsh, P. S. 2271
Hine, R. B. 610
Hines, M. E. 1727
Hinman, D. D. 1616
Hino, A. 134
Hinsch, R. T. 1066, 1079, 2753-2754
Hirashima, A. 1775, 2733
Hirata, T. 65
Hirooka, E. Y. 2859
Hirotake, Y. 2849
Hirschberg, J. 320
Ho, C. C. 2758
Ho, C. T. 494, 1347
Hoang, V. T. 1378
Hoang Thi, L. 1336
Hoang Thi Loc 1336
Hobson, G. 318, 716
Hobson, G. E. 1893, 2662
Hocking, A. D. 266, 1300
Hocking, R. 495
Hodges, A. W. 2964
Hodges, R. J. 642, 1787
Hoehn, E. 1041
Hoek, D. 929
Hoenderboom, C. J. M. 1344
Hoernlein, C. A. 1051
Hoffman, S. A. 1800
Hoffmann, D. F. 1832
Hofker, K. 2309
Hofmann, G. 2511
Hoftun, H. 417, 1186
Hogendoorn, E. A. 821, 1928
Hogge, M. C. 2450
Höhn, H. 2149
Hoke, K. E. 2582
Holey, N. R. 277
Holland, P. T. 1346
Hollowell, B. 613
Holmes, G. J. 2330
Holmes, P. A. 2472
Holmes, Z. A. 2447
Holub, M. 1810
Hombourger, C. 1659
Homma, H. 1836
Honami, N. 2558
Honda, H. 1736, 1742
Hong, J. 2443
Hong, K. H. 176
Hong, S. T. 2555
Hongo, S. 44
Hongsuwong, T. 1321-1322
Honig, H. 533
Honma, M. 2954
Hooda, J. S. 517
Hopkins, J. D. 2746
Hoppe, T. 187
Horabik, J. 1089-1090, 1586, 2163, 2607
Horev, B. 2329
Hori, E. 1802
Horie, Y. 1919
Horino, T. 1373
Hormes, E. 2955
Horner, I. J. 1253
Horton, B. D. 2349
Horvat, R. J. 723, 2098, 2664
Horváth, J. 63
Hoseney, R. C. 1357
Hosmani, M. M. 2980
Hosokawa, A. 365
Hossain, M. A. 605
Hossain, M. M. 605
Hotchkiss, J. H. 836, 1702
Hotsonyame, G. K. 2663
Houck, C. 1998
Houghton, B. 612
House, L. R. 1478
Houston, M. G. 341-342
Hout, M. van 1915
Houtman, H. J. 177
Howard, R. W. 2742, 2747
Howarth, M. S. 52
Høyer, L. 760
Hribar, J. 2696
Hristov, A. N. 2620
Hruschka, W. R. 481
Hruška, M. 61
Hrušková, H. 2151
Hsieh, F. K. 1023
Hsieh, R. H. 2929
Hu, X. S. 2816
Hua, X. Z. 1141
Huang, C. H. 2760
Huang, H. S. 668
Huang, W. T. 887, 1971
Huang, X. L. 324
Huang, X. Y. 2040
Huarng, L. D. 2566
Huault, C. 2593
Hubbard, E. E. 1544
Hubbard, J. 78
Hubbard, N. L. 317
Huesing, J. E. 2752
Hufnagel, J. 1963
Hugar, P. 1815
Hugar, P. S. 243
Hügel, C. 2511
Hughes, B. G. 2643
Hughs, S. E. 2460
Hugo, L. 327
Hugueney, P. 319
Huhnke, R. L. 2638
Huici, N. 1351
Huignard, J. 1208
Huis, A. van 1225, 1819
Hulamani, N. C. 2448
Hung, Y. C. 442, 1552, 2850
Hunt, A. W. 1266, 2777-2778
Hunt, C. W. 1616
Hunt, G. L. T. 415, 598
Hunt, K. 2828
Huq, S. B. 659
Hurburgh, C. R., Jr. 1958, 2035
Hurst, P. L. 1904
Hurst, W. C. 801
Hussain, A. 2694
Hussain, M. 251
Hussain, N. 229
Hussain, S. 1723
Huthoefer, L. S. 1453
Hutník, F. 842
Hwang, J. J. 82
Hwang, T. C. 1455
Hyde, G. M. 1073, 2138
Hyman, E. L. 854, 1936
Ibarra, M. A. 2898
Ibe, A. 2845
Ibeh, I. N. 343
Ibemesi, J. A. 1400
Ibrahim, A. M. 1704
Ichinoe, M. 2863
Ichinohe, H. 289
Ichito, K. 2146
Idler, F. 1601-1602
Igbeka, J. C. 2922
Igene, J. O. 1564
Iglesias, I. 1654
Ignatova, S. I. 609
Ignatowicz, S. 639
Iida, M. 2845
Iio, T. 1288
Ijichi, T. 44
Ikebe, T. 592
Ikeda, Y. 2109
Ikusima, I. 768
Ilangantileke, S. G. 1339, 2443, 2605
Iliescu, H. 670
Illgen, R. 2572
Ilyas, S. M. 1013, 2444
Il'yasov, S. G. 397
Imaseki, H. 2370
Imou, K. 1548, 2092
Imshenetskiĭ, E. I. 1761
Inaba, A. 721, 2366
Inaba, D. J. 1343
India, Central Plantation Crops Research Institute 405, 1472
India, Central Potato Research Institute 409
India, Indian Institute of Horticultural Research 1475
India, National Research Centre for Cashew 943
India, National Research Centre for Citrus 2972-2973
India, Regional Research Laboratory, Jammu 946, 1473
Indonesia, Bogor Research Institute for Estate Crops. 1981
Ingle, M. 174
Ingle, S. J. 663
International Atomic Energy Agency 951
International Institute of Refrigeration 1477
International Olive Oil Council 922
International Organization for Biological Control of Noxious Animals and Plants 950
International Potato Center 2483
International Society for Horticultural Science 414, 950, 1990
International Trade Centre UNCTAD/GATT 1462-1463
Intong, C. L. 2
Ioriatti, C. 2695
Iqbal, M. 1510
Irudayaraj, J. 443
Irving, D. E. 574, 1904
Isaac, T. M. T. 1487
Isensee, E. 2508
Ishaya, A. T. 2267
Ishibashi, S. 74, 1570, 2086-2087
Ishida, B. K. 1275
Ishiguro, E. 2108
Ishii, G. 728
Ishikawa, A. 2305
Ishikuri, S. 2789
Ishimoto, M. 645, 1757
Ishitani, T. 64
Islam, M. 605
Islam, M. N. 1509
Islam, S. 605
Islam, S. M. R. 1509
Islam, W. 1774, 1781
Ismail, M. 1631
Ismail, S. M. M. 2426
Ismaĭlov, N. K. 378
ISMEA Informazioni 2600
Israel, Institutes for Applied Research, Ben-Gurion University of the Negev 406
Israel, Israel Fruit Growers' Association, Cold Storage Research Laboratory 589
Istasse, L. 2618
Italy, Istituto per Studi, Ricerche e Informazioni sul Mercato Agricolo 2965
Ito, N. 988
Ito, S. 890
Ito, Y. 832
Itoh, K. 484, 980, 1555
Itoh, S. 2086-2087
Itokawa, N. 45
Ittah, Y. 2315
Ittersum, M. K. van 1177
Itzhaki, H. 2400
Ivanchenko, V. I. 131
Ivanov, V. A. 691
Ivanova, G. I. 689
Ivanova, L. M. 1693
Ivanyuk, V. G. 281
Ivarami, M. 880
Iversen, M. 1763
Iwabuchi, K. 401
Iwamoto, M. 2485
Iwan, J. W. 2056
Iwata, M. 2305
Iwu, L. N. 1873
Iyare, O. A. 1898
Iyer, R. D. 405
Izumi, H. 1874
Izzo, R. 2795
Jackman, R. L. 2649
Jackson, M. A. 2846
Jacob, S. 263, 1846
Jacobi, K. K. 2672
Jacobs, G. 296, 709, 715, 2199, 2203, 2642
Jacobsen, B. J. 2765
Jadhav, M. 2114
Jadhav, S. 2114
Jaffee, S. 2476
Jagdish Chandra 1872
Jager, A. de 1657, 1686, 2222
Jager, E. S. de 705
Jäggi, W. 1255
Jahan, S. 1783
Jahns, G. 2000
Jairao, K. 243
Jakhar, B. R. 2495
Jakhmola, R. C. 1617
Jakob, R. 2635
Jalali, S. K. 2720
Jambhale, N. D. 376
Jambunathan, R. 1027
James, C. S. 2619
James, M. C. 839
Jameson, J. 2703
Jamieson, A. R. 165
Jamil, F. F. 1314
Jamil, Z. 1848
Janisiewicz, W. 1851
Janisiewicz, W. J. 683, 706, 1876, 2314
Janius, R. 2927
Janovitz-Klapp, A. H. 722
Janzen, A. 2442
Japan, Saitama Horticultural Experiment Station 404
Japan, Tropical Agriculture Research Center 410
Jaros, M. 2022
Järvenpää, M. 964
Jaster, E. H. 997
Jayaraj, D. 1422
Jayas, D. S. 15, 87, 2008, 2544, 2575
Jayne, T. S. 1967, 2469, 2947
Jech, J. 1561
Jeffries, P. 1862
Jeger, M. J. 1999, 2770
Jehličková, Z. 2419
Jenner, K. E. 255
Jeon, Y. W. 995, 1382
Jessup, A. J. 1843
Jevtić, S. 675-676
Jewell, D. 2286
Jewers, K. 1331
Jha, A. K. 2806
Jha, S. 1739
Jhala, R. C. 833-835
Ji, D. H. 1528
Ji, F. X. 1197
Ji, S. U. 2538
Jia, D. X. 2095
Jia, Z. J. 1731, 1745
Jiao, Q. Y. 2042
Jiao, S. L. 2088
Jílek, J. 1504, 1519
Jílková, M. 1055
Jiménez, R. 2260
Jiménez-Conde, F. 1929
Jin, Y. Z. 2866
Jin, Z. 2517
Jinap, S. 2925
Jinap Selamat 374
Jindal, V. K. 986, 2934
Jiriyengwa, S. J. 2948
Jofriet, J. C. 538, 1091-1092, 1136, 1595
Johansson, S. 2882
John, P. 2345
Johnson, D. E. 622
Johnson, D. S. 1678
Johnson, J. B. 2608
Johnson, R. S. 1043, 2562
Johnson, Y. S. 1759
Johnston, B. 647
Johnston, C. A. 1627
Johst, H. 2716
Joia, B. S. 344

Jones, B. A. 1610
Jones, D. D. 363
Jones, M. 303
Jones, R. 1918
Jones, R. B. 758, 2397
Jones, R. J. 1574
Jones, R. W. 2846
Jones, T. H. 2271
Jong, D. W. de 375
Jongkaewwattana, S. 483
Jonušytė, R. 1035
Jood, S. 199, 1216, 2285
Joon, M. S. 2674
Jordan, J. L. 386, 1563
Jorgensen, K. V. 2852
Jourdan, G. E. 2700
Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes 1319
Joy, D. M. 1002
Joyce, D. 763, 1918
Joyce, D. C. 1162, 1233
Jozwiak, Z. 1661
Ju, Y. 1745
Juan, C. 2740
Judge, B. K. 2750
Julien, M. H. R. 415
Jung, Y. T. 1712
Jungbluth, G. 2962
Jungbluth, T. 2511
Juśkiewicz, J. 1370
Jusoh, A. 2927
Juste Picón, S. 1978
Jyothirmayi, N. 2429
Kaashoek, N. K. 1819
Kabaluk, J. T. 1284
Kabir, A. 1781
Kabir, S. M. H. 1774, 1781
Kabirullah, M. 1366
Kacew, S. 1313
Kacharava, M. M. 2353
Kachare, B. V. 200
Kachru, R. P. 1411, 2157
Kacz, K. 992, 2609
Kadam, S. S. 376
Kader, A. 1160
Kader, A. A. 504, 578, 585, 1144, 2194, 2644, 2659, 2799
Kadoya, K. 134, 144
Kadu, A. B. 872
Kagan-Zur, V. 1137
Kaganskaya, V. V. 696
Kailasapathy, K. 2232
Kaiser, A. G. 2174
Kaji, H. 592
Kaji, K. 2341-2342
Kakhana, B. M. 2354
Kaki-Ichi, N. 118
Kalaivani, N. J. 1589
Kalalb, T. I. 2204, 2221
Kale, P. B. 2167
Kale, V. D. 795, 837
Kaleta, A. 11-12
Kälin, I. 790
Kalinenok, N. P. 691
Kallio, H. 569
Kalra, R. L. 344
Kalra, S. K. 2794
Kalra, V. K. 1822
Kamal 1268
Kamal, R. 2723
Kamal Paul 373
Kamalavijayan, D. 1994
Kamalov, N. 448
Kamaruddin, A. 1468
Kamata, S. I. 118
Kamath, O. C. 159
Kamenan, A. 298
Kamide, J. 401, 1506
Kamimura, H. 2845
Kaminskiĭ, V. D. 2501
Kammerer, M. 115
Kamra, D. N. 2629
Kan, K. 1931-1932
Kanakaratne, N. S. 1242
Kanawade, L. R. 1105, 1107
Kanczler, J. 318
Kandala, C. V. K. 445, 973-974, 979, 2512
Kandala, V. S. C. 2026
Kang, K. S. 163
Kang, W. S. 21
Kang, Y. S. 2160
Kania, J. C. 540, 542
Kanno, T. 1836
Kansu, I. A. 654
Kanwar, J. S. 2688
Kanzawa, K. 2789
Kapoor, A. C. 199, 1216, 2285
Kappel, F. 48
Karaçalı, İ. 336, 560
Karan, V. 1316
Karchik, O. N. 685
Karim, A. 605
Karim, A. N. M. R. 2737
Karim, M. A. 1778
Karki, T. 2859
Karki, T. B. 1334
Karmaker, P. 1783
Karnavar, G. K. 2748
Karpova, L. M. 685
Karputov, S. A. 550
Kartar Singh 2328, 2773
Kartashkin, B. A. 1693
Kartashova, E. R. 2595
Karuna, M. S. 2891
Karunaratne, A. M. 267
Karunyavanij, S. 1302, 1325
Karwoski, C. J. 2554
Kasama, Y. 2849
Kashimura, Y. 2808
Kashirskiĭ, O. P. 690
Kashyap, N. P. 2301, 2425
Kasmire, R. F. 2580
Kaspar, P. 1385
Kasper, G. J. 1522
Kasymzhanova, M. M. 237
Kat, J. 1588
Kato, K. 1054, 1802
Katole, S. R. 277
Katz, D. 1277
Kaundal, G. S. 2688
Kaur, J. 2150
Kauten, R. 2556
Kavadia, V. S. 815, 829
Kavanagh, E. E. 2216
Kawabata, A. 961
Kawada, K. 915, 2800, 2821
Kawagoe, T. 1448
Kawagoe, Y. 1198, 1912, 2387
Kawahara, S. 134
Kawai, Y. 1931-1932
Kawakami, F. 2451
Kawamura, O. 1919
Kawamura, S. 484, 980, 990, 1384
Kawano, T. 987, 1496
Kawasaki, K. 2086-2087
Kawashima, K. 2862
Kaynaş, K. 560, 567, 1652, 2813
Kays, S. J. 2757
Kaysi, Y. 843
Ke, D. 578, 1160
Ke, D. Y. 2644
Keagy, P. M. 2295
Keen, N. T. 1859
Keener, H. M. 1024
Kehtarnavaz, N. 52
Keiser, H. von 2507
Kelly, J. 78
Kelly, J. M. 2622
Kelly, J. T. 43
Kemp, J. L. 2726
Kempler, C. 1284
Kenghe, R. N. 1105, 1107
Kenkel, P. 385
Kepenek, K. 1653
Kępka, A. 611
Kepler, P. 1456
Kerbel, E. 1160
Kerbel, E. L. 1673
Ketsa, S. 325, 1063
Keum, D. H. 2046
Key, G. E. 1792
Keyserlingk, M. A. G. von 1613
Kezar, W. 1616
Khader, S. E. S. A. 1142
Khaire, V. M. 200
Khairwal, I. S. 958
Khakimov, A. 448
Khalil, S. K. 229
Khalilian, A. 2048
Khalilov, R. T. 378
Khan, A. A. 2011
Khan, A. Q. 2924
Khan, A. R. 1748, 1783
Khan, F. 681
Khan, M. R. 1857
Khan, R. A. R. 1454
Khan, S. A. 1366
Khan, S. U. 1313
Khanal, R. 2259
Khanam, L. A. M. 1748
Khanizadeh, S. 1299
Khanna, K. K. 2337
Kharche, D. S. 2135
Khatoon, J. 605
Khatoon, R. 1776
Khattak, A. S. 197
Khattak, S. U. 229, 1776
Khemira, H. 1244
Khiratkar, S. D. 277
Khitron, Ya. I. 1256
Khokhar, K. S. 2749
Khokhryakova, T. M. 694
Khorkavtsiv, Ya. D. 2207
Khudyakov, V. N. 1609
Khzardzhyan, S. M. 1693
Kibria, A. H. M. G. 1857
Kieckbusch, T. G. 2072
Kieper, R. J. 1093
Kikuchi, Y. 452, 1557
Kikuta, Y. 1703
Kilinçer, N. 2288
Kim, H. J. 2701
Kim, H. K. 2650
Kim, J. B. 176
Kim, J. H. 656
Kim, J. J. 680, 1869, 2315
Kim, K. H. 98
Kim, K. S. 1040
Kim, S. H. 21
Kim, W. C. 176
Kim, Y. B. 1372
Kim, Y. H. 1040
Kim, Y. J. 656
Kim, Y. S. 176
King, A. 149
King, A. D., Jr. 1852
King, G. A. 1904, 2579
King, J. R. 259
King, R. D. 846
Kiracofe, J. S. 1562
Kirby, S. D. 720
Kirchhof, R. 2707
Kirdyashkin, V. V. 397
Kirkman, B. 155
Kirpichnikov, P. A. 120
Kirshner, B. 1269-1270, 1875
Kishimoto, O. 917
Kishore, P. 2724
Kislin, E. N. 2396
Kišonas, Z. 1035
Kiss, E. G. 1085
Kiss, L. 2959
Kitagawa, H. 731, 734-735, 915, 1276, 2800, 2821, 2956
Kitamoto, H. K. 2182
Kitamura, K. 645, 1757
Kito, K. 988
Kitto, G. B. 217
Kjos, N. P. 1605
Klein, J. D. 147, 1243, 1639
Kleiner, W. C. 2689
Kleynhans, S. 1543
Klieber, A. 1152
Kline, G. L. 436
Kline, R. 2826
Klop, W. 762, 767
Klopfenstein, C. F. 360
Kmiecik, W. 555
Knabe, O. 2170, 2854, 2870
Knaflewski, M. 2680
Knee, M. 2351
Knight, A. C. 1622, 1626, 2000, 2118
Knight, C. 1257
Knight, R. J., Jr. 489
Knorr, D. 1245
Knowles, N. R. 2683
Knowlton, J. 2568
Kobayashi, H. 811
Kobayashi, M. 369, 1931-1932
Kobiler, I. 1858
Kobylinska, J. 1675
Koca, R. W. 1194, 2706
Koch, A. 2534
Koch, K. R. 348
Kocher, M. F. 1940
Kociba, R. 836
Kock, J. H. W. de 2950
Köck, M. 2386
Kocken, E. 2992
Kocourek, V. 2419
Koda, Y. 1703
Koenigstein, K. W. 1562
Koganov, M. 2423
Köhl, J. 1870
Köhler, T. 1881
Kohn, R. A. 111
Köhne, J. S. 155
Koide, S. 2533
Koizumi, M. 1863
Kokshareva, N. V. 1922
Kolankaya, D. 1310
Kolase, M. N. 549, 872
Kołat, S. 462
Kole, N. K. 1161
Kolesnikova, L. S. 169
Koli, S. G. 2114
Koller, O. L. 1064
Kolodyaznaya, V. S. 688
Kölsch, E. 1185
Komarova, G. F. 1241
Komine, K. I. 118
Komosa, A. 2107
Kompany, E. 2061
Kondo, K. 1442
Kondo, N. 2558
Kondrat'eva, V. V. 2396
Koné, S. 1196
Kong, B. H. 1109
Konno, Y. 1906
Kononova, G. A. 684, 687
Konopka, S. 966
Koo, W. W. 2945
Koolpluksee, M. 1063
Koomen, I. 1862
Kooten, O. van 57
Kopec, K. 2124
Kopecka, Z. 554
Kornegay, J. 2751
Korol', V. G. 2690
Korol, W. 1340
Korotkin, V. M. 473
Korsgaard, J. 1763
Korsten, L. 275, 705
Kossou, D. K. 203, 644
Köster, W. 1608
Kostyk, A. 2709
Kotova, L. V. 2209
Kotsilo, N. I. 131
Kotzé, J. M. 275-276, 394, 705
Kouchi, H. 2682
Kovačević, K. 358
Kozacka, F. 1530
Kozhanova, N. I. 1826
Kozik, E. 2107
Kozlov, L. P. 695
Kozłowska, H. 1370
Kraker, J. de 930
Krakowiak, A. 1116-1117
Kramer, C. F. G. 1634
Kramer, K. J. 629, 1751
Kramer, M. 1998, 2452
Kranzler, G. A. 1549
Krarup, C. 1663
Kras, J. N. 391
Krasnikov, V. V. 397
Kraszewski, A. 2514
Kraszewski, A. W. 428, 445, 962, 991, 1520, 2519
Krause, R. T. 1309
Krautzer, B. 1600
Kreimeris, J. 7
Kremer-Köhne, S. 155
Kress, M. 1149
Krishna, S. S. 1220
Krishna Nand 1960
Krishnamurthy, K. C. 1086
Krishnamurthy, S. 2198
Kristensen, K. 760

Krivileva, N. I. 2354
Kroll, R. 1484
Kruger, N. J. 290
Krzywiecki, S. 104
Kshnikatkin, S. A. 507, 1011
Kuai, J. P. 2373
Kuan, S. S. 2858
Kuanzhong, G. 1348
Kubde, A. B. 855
Kubik, M. P. 1632
Kubo, Y. 2366
Kubota, K. 1528
Kučerová, Z. 2258
Kučinskas, V. 1
Kudo, N. 135
Kudo, T. 135
Kudra, T. 2025
Kueh, H. S. 412
Kuhn, D. C. S. 994
Kühne, K. 1245
Kühne-Thu, H. 787
Kuiper, D. 335
Kulkarni, S. D. 362
Kulkarni, S. G. 219
Kulkarni, V. J. 2479
Kumar, A. 1220
Kumar, G. N. M. 2683
Kumar, K. V. 405, 1472
Kumar, M. P. R. 1994
Kumar, P. 1818
Kumar, R. 1750
Kumar, U. 823
Kumari, T. N. 2303
Kume, K. 2305
Kunadu-Yiadom, K. 1797
Kuncl, L. 998
Kundu, S. C. 2768
Kunelius, H. T. 537, 2168
Kunjara, B. 2517
Kuntz, M. 319
Kunz, P. 2522
Kunze, O. R. 1502, 2161
Kuo, M. C. 494
Kupferman, E. M. 2678
Kupriyanov, A. N. 1734
Kurle, J. E. 485
Kurmanova, R. Sh. 1734
Kurowski, T. 701
Kusakin, I. N. 120
Kushad, M. M. 159, 174, 2797
Kushal Singh 1914, 2388
Kushwaha, R. L. 1594
Kusum Badyal 2331-2332, 2780-2782, 2784-2785
Kute, L. S. 376
Kutsovskaya, V. V. 340
Kuyper, L. 2240
Kuznetsov, S. G. 253
Kuźniewicz, M. 1698
Kvien, C. S. 2515
Kwag, J. J. 1040
Kwon, Y. J. 1040
La Bonte, B. R. 2687
La Rosa, L. de 2887
Labavitch, J. M. 312, 710-712
Laborius, G. A. 1223, 2297
Labotskiĭ, I. M. 129
Lacey, J. 1240
Łączyński, B. 1116
LaDon Day, J. 1744
Laguerie, C. 2021
Laguerre, J. C. 2059, 2065
Lagunas-Solar, M. C. 679
Lagunes-Tejeda, A. 1222
Lahav, E. 2693
Lai, C. C. 1492
Lai, C. H. 2728
Lai, C. S. 2760
Laing, J. E. 2756
Lairungreang, C. 2298
Lajeunesse, M. 69
Lakshminarayana, S. 1155
Lal, C. B. 373
Lal, S. D. 2395
Lale, N. E. S. 636, 657, 2731
Lalor, W. F. 1017, 2460
Lambert, J. D. H. 2286
Lambkin, T. M. 201, 1808
Lamikanra, O. 720
Lamkin, W. M. 2721
Lammers, P. M. 1225, 1819
Lamond, W. J. 458
Lancaster, J. E. 294
Lando, T. M. 2003
Landon-Lane, C. 2479
Landry, J. A. 1190
Lang, G. A. 1173
Lang, R. 1692
Lang, W. 2516
Langeslag, J. 756
Lanini, W. T. 1997
Lanteri, P. 367
Lantican, F. A. 889
Lanuza, L. 606
Lanuza A., F. 1603
Lanza, C. M. 1934
Lapan, H. E. 382
Lapsley, K. G. 1041
Lara, P. F. R. 1166
Larsen, P. B. 2400
Larue, B. 382
Larumbe, A. 2005
Laryushin, N. P. 1011
Lashbrook, C. C. 315, 2384
Lasorella, M. 2325
Lasovsky, V. V. 2247
Lasseran, J. C. 2013
Lasserre, E. 2380
Latché, A. 2381, 2488
Laties, G. G. 311
Latimer, J. G. 1293
Latshaw, J. D. 1367
Lau, O. L. 174, 1679, 1683
Laubscher, J. 2950
Laurière, C. 1296
Lavagno, M. 2392
Lavezzo, W. 531
Lavi, U. 2693
Lavranos, S. 905
Law, G. J. 1595
Law, S. E. 1085
Lawrence, K. C. 445, 960, 973-974, 979, 2037, 2512
Lawson, L. D. 2643
Lay-Yee, M. 2300
Lazan, H. 2819
Lazarev, A. M. 692, 695-696
Lazić, V. 2123
Le Page-Degivry, M. T. 326, 334, 750
Le Patourel, G. 204, 220
Le Torc'h, J. M. 210
Lea, J. D. 2468
Lea, Z. 2468
Lebert, A. 2013, 2059, 2065, 2084
Lecomte, D. 2078
Ledebuhr, R. 1950
Lee, B. Y. 1372
Lee, C. E. 2741
Lee, C. H. 374
Lee, C. U. 2274
Lee, C. W. 2403
Lee, C. Y. 1347
Lee, E. 1274
Lee, E. W. 1581
Lee, H. D. 1694
Lee, H. S. 594, 1581
Lee, J. 910
Lee, K. R. 2274
Lee, M. G. 2403
Lee, R. 725
Lee, S. K. 1581
Lee, S. R. 793
Lee, U. S. 2859
Lee, Y. W. 2865
Lefebvre, F. 1798
Lefebvre, M. 2561
Leffler, R. G. 974, 2512
Lehman-Salada, L. 2689
Lehmann, B. 1523
Lehotay, J. 817
Lehtinen, P. T. 2257
Lei, J. H. 2509
Lei, M. G. 466
Lei, P. K. 971
Leifert, C. 1257, 2323
Leipold, H. W. 360
Leistrumas, K. 1060
Leitgeb, J. M. 2602
Lejčková, K. 1189, 1572
Lelièvre, J. M. 2381
Leliveldt, B. 1223
Lemane, F. 346
Lemattre, M. 56
Lemetayer, N. 2872
Lemos Silva, G. M. 588
Lenartowicz, W. 869-870
Lenga, A. 1208
León, C. de 2766
Lepekhin, N. S. 690
Lépine, F. L. 770
Leplaideur, A. 2936
Lepom, P. 2854, 2870
LePori, W. A. 2459
Leppack, E. 1567
Leroi, B. 234
Leshem, Y. Y. 955
Lester, G. 2097
Leszczyński, W. 2446
Leteinturier, J. 423-424
Leu, K. C. 2555
Leushin, S. G. 103
Levchenko, E. A. 1761
Levine, A. 1677
Levinson, A. R. 631
Levinson, H. Z. 631
Lew, H. 2404
Lewicki, P. P. 2069
Lewis, T. 2581
Li, C. J. 1879
Li, C. L. 1008, 1015, 2075
Li, C. Y. 1506
Li, H. Z. 972, 2506
Li, J. 2531
Li, J. M. 1434
Li, L. 188
Li, L. L. 13, 2043
Li, L. T. 547, 980
Li, L. Z. 859
Li, N. 2385
Li, Q. C. 482
Li, S. T. 1434
Li, S. Y. 134
Li, X. G. 426
Li, X. J. 1868
Li, Y. 1439
Li, Y. B. 1507
Li, Y. R. 2195
Li, Z. Q. 1141
Li, Z. W. 2543
Li, Z. Z. 482
Liacu, A. 1662
Liakumovich, A. G. 120
Liang, C. 629
Liang, D. X. 1924
Liang, J. S. 1199
Liang, S. N. 2686
Liang, X. W. 1910
Liang, Y. S. 2747
Liao, K. 1033, 2090, 2543
Liaw, G. J. 1023
Librero, A. R. 1480
Lidror, A. 54, 1045
Lidster, P. D. 174, 2759
Lieblein, G. 417
Liepa, G. U. 421
Lightsey, G. R. 2935
Liljedahl, L. A. 2551
Liljedahl, S. 2878
Lill, R. E. 1904
Lillard, D. A. 801
Lim, G. S. 953
Lima, J. E. de 1575
Lima, J. N. C. 1656
Limalevu, L. 867
Limon, R. L. 1405
Lin, C. 121
Lin, C. L. 1753
Lin, G. Z. 1280
Lin, H. 2282
Lin, S. S. 421
Lin, W. C. 570
Lin, X. R. 1020
Lin, Z. F. 1280
Linden, H. 320
Linden, J. C. 2177
Lindström, L. 2882
Lineberger, B. M. 476
Ling, C. F. 1929
Lingeman, H. 1921
Link, H. 1665
Lin'kov, F. S. 173
Lins, D. A. 1562
Lipa, J. J. 1201
Lipinski, A. 965, 1381
Lips, J. 571
Lisiewska, Z. 555
Lisińska, G. 2446
Lisowski, A. 2500
Litchfield, J. B. 41
Little, C. H. A. 2202
Liu, C. Z. 282
Liu, D. 2385
Liu, F. W. 1661
Liu, J. K. 1731, 1745
Liu, J. Z. 2088
Liu, L. Y. 2075
Liu, S. G. 39, 479
Liu, S. X. 1280
Liu, W. Y. 1020
Liu, Y. 1141
Liubarskis, V. 29
Livezey, J. 888
Lizada, M. C. C. 2660
Lizana, L. A. 487, 900, 2665-2667
Llewellin, B. E. 2265
Lobach, G. 2423
Lobo Arias, M. 739-740
Lobotka, J. 63
Locascio, S. J. 292
Locus, E. 459, 1524
Loesche, J. A. 1616
Loewer, O. J. 440
Lofty, S. 1138
Loginova, L. N. 685
Lognay, G. 2269
Lohar, M. K. 1772
Loĭko, R. È. 2208
Lombardo, P. 776
Lonsdale, J. H. 276
Lopez, A. 2461
López Briones, G. 1175
López-Fando, J. J. 1830
López-Gómez, R. 1880
Lorentz, P. 2778
Lorenz, K. 851
Loučka, R. 2173
Lougheed, E. C. 579, 725, 1157
Louis-Alexandre, A. 1536
Lourenço, E. J. 588
Love, J. M. 2951
Lovell, P. H. 766
Lowe, A. L. 1905
Löwe, R. 1364
Lox, F. 2494
Lozare, J. V. 1479
Lu, B. Y. 324
Lu, C. Y. 2401
Lu, F. M. 1094
Lu, G. H. 1879
Lu, M. W. 2371
Lu, Q. G. 1769
Lu, R. 1940-1941
Lu, S. C. 324
Lu, X. X. 2599
Lu, Z. M. 1007
Lu, Z. S. 1879
Lubag, A. J. M., Jr. 1701
Luby, J. J. 1476
Luchsinger, L. 2828
Luchsinger, L. E. 274, 487, 502, 900
Ludevid, M. D. 2347
Lueschen, W. E. 485
Lukaszewska, A. J. 323
Łukaszewska, A. J. 616
Luk'yan, L. S. 2208
Luk'yanenko, A. N. 743
Luloff, A. E. 819
Lund, Ø. 417
Luo, J. W. 2686
Luo, X. Y. 2848
Luo, Y. 2866
Lurie, S. 147, 1176, 1243, 1639
Lustre, A. 606
Lutchmeah, R. S. 703
Luthra, R. 2787
Luza, J. 2665
Luza, J. G. 487, 1144
Lwande, W. 2715, 2743
Lycett, G. W. 2386
Lynch, D. R. 868

Łynda, S. 2587
Lyngtveit, T. 2634
Lyon, B. G. 565, 593, 1547, 2352
Lysov, A. K. 690
Lyublinskaya, N. A. 1256
Ma, S. Q. 105
Ma, W. 1016
Ma, X. Y. 1015
Maag, W. 2237, 2894
Mabbett, T. 1459, 2830
Mabesa, L. B. 1701
McAdam, D. P. 1926
McCarthy, J. 949
McCarthy, M. J. 847, 2556
McClelland, J. F. 2846
McCollum, T. G. 1895, 2122, 2654
McCormick, K. M. 2877
McCracken, V. 918
McDonald, L. C. 1855
McDonald, P. 1995
McDonald, R. E. 1631, 1636, 2231, 2654, 2798
MacDougall, D. B. 2105
McDowell, P. G. 2743
McEllister, F. V. 395
McFeeters, R. F. 563
McGarry, A. 2103
McGarvey, D. J. 321, 2375
McGaughey, W. H. 622, 1735, 2727
McGaw, D. R. 2071
McGechan, M. B. 2049-2050, 2189
McGill, A. E. J. 2240
McGinn, R. 1597-1598
McGlasson, W. B. 580
McGuire, R. G. 1226, 2546
Macheix, J. J. 561, 1138
Macias, W. 1713
McKay, A. G. 1264
McKenzie, R. J. 766
Mackey, B. 254
Mackey, B. E. 256
MacKinnon, I. 1075
MacKinnon, I. R. 1076
Maclachlan, G. 305
Maclean, D. 788
McLendon, B. D. 2514
McMillan, P. 612
McMillian, W. W. 1744, 1754, 1758
McNellis, T. 2824
McRae, D. C. 2585
MacRae, E. 1285
MacRae, E. A. 1894, 2360
McRae, K. B. 2168
Madalageri, B. B. 1187
Madan, P. S. 2750
Madden, J. M. 1853
Maddox, J. V. 1737-1738
Madhukara, K. 1960
Maeda, Y. 106
Maftei, M. 1464
Magallona, E. D. 839
Magan, N. 222
Magnoni, S. 2031
Magnuson, J. A. 1852
Magrath, P. 1426
Mahajan, B. V. C. 2673
Mahal, M. S. 1824
Mahalingam, S. 2939
Maharaj, R. 576
Mahdy, F. 1317
Mahmood, T. 1770, 1773
Mahoney, A. W. 49
Mahoney, N. E. 706
Maier, D. E. 523, 1095, 2034, 2039, 2162, 2605
Maier, G. 455, 984
Main, G. L. 556
Maindonald, J. H. 313, 1838
Majak, W. 2623
Majchrzak, B. 701
Major Singh 2278
Majumdar, G. C. 1945
Makhlouf, J. 1659, 1892, 2214
Maki, T. 1931-1932
Makin, G. I. 340
Makoni, N. F. 1613, 2623
Maksimova, E. B. 2207
Makundi, R. H. 194
Malakouti, M. J. 552
Malathrakis, N. E. 2489
Malaysia, Rubber Research Institute of Malaysia 944
Malcolm, C. P. 1346
Malcolm, G. L. 2702
Malevolti, I. 1446
Mali, J. M. 376
Malik, A. K. 797
Malik, Y. P. 2729
Maloney, K. 2130
Maltry, W. 2705
Mamadzhanov, B. 1542
Mamicheva, N. N. 68
Mammen, K. V. 2303
Maness, N. O. 1895, 2122
Manfredi, E. 75, 1393
Mangan, R. L. 663
Mangas, J. J. 1883
Mangialardi, G. J., Jr. 2535-2536
Mangla, M. 2723
Mangutov, R. F. 103
Mani, A. 1812
Maninder, S. 2714
Maniongui, J. G. 1010
Manji, B. T. 2334
Mannan, A. 1213, 1783
Mannapperuma, J. D. 504
Manning, M. A. 1867
Mannu, L. 713
Manseka, V. S. 1682
Mansingrao Jadhav 2114
Mantri, A. R. 477
Manuelyan, H. 742
Manuelyan, Kh. 742
Manzanares, D. 2857
Manzano, P. 2793
Manzke, E. 2249
Mao, Z. H. 18, 432
Mar Sola, M. del 1167
Marasas, W. F. O. 348
Marcelin, O. 1394
Marcelle, R. 1990
Marcelle, R. D. 1687
Marchant, R. 900
Marcondes, J. 1707-1708
Marcos Filho, J. 1582
Marcu, F. 1780
Marec, F. 1730
Mareck, J. H. 203
Maredia, K. M. 225
Margolles, E. 2857
Margossian, L. 2382
Mari, M. 2779
Marín, J. G. 597
Marín, M. A. 719
Marinansky, R. 1143
Marissen, N. 749
Markowski, M. 33, 1514, 1516
Marks, B. P. 2039
Marks, N. 2587
Marlier, M. 2269
Marois, J. J. 1997
Marques, M. R. 1831
Marshall, D. E. 72, 2136
Martelli, S. 802
Martin, C. 603
Martin, L. W. 2548
Martineau, B. 1998
Martínez, G. 2803, 2805
Martínez, J. M. 1398
Martínez, M. D. 818
Martínez Flores, R. 2413-2414
Martínez Javega, J. M. 1156
Martino, E. de 1949
Martinov, M. 2089
Marty-Audouin, C. 2084
Martynov, I. Yu. 31
Marziano, F. 1871
Mashauri, I. M. 1944
Masia, A. 2795
Mason, P. L. 1768
Maspanger, D. R. 1955
Massantini, R. 2578
Mastrocola, D. 2060
Mastrovito, D. 802
Masuda, H. 291, 2356
Masuko, T. 117
Mat, S. 1312
Matejko, C. 539
Mateos, M. 1156
Mathavan, S. 1221
Mathew, J. M. 2886
Mathew, R. 2138
Mathooko, F. M. 2366
Matienko, B. T. 169, 2204, 2221
Matin, M. A. 605
Matsuda, I. 2092
Matsui, T. 731, 734-735, 915, 1276
Matsumoto, K. 1205
Matsuo, M. 2532
Matsushita, K. 1802
Matsuzaki, M. 2849
Matta, F. B. 2215
Matte, P. 1715
Mattheis, J. P. 1039, 1246
Matthews, J. R. 899
Matthews, W. 1313
Matthews, W. A. 1214
Mattoo, A. K. 2385
Matus, Z. 2363
Matveeva, L. N. 693
Matyka, S. 1340
Matz, S. A. 420
Mau, J. L. 566, 1672, 2213
Maureaux, A. 2061
Maurer, K. 2442
Mauritz, S. 2639
Mauromoustakos, A. 2890
Mawson, K. 2243
Maxson, J. M. 2400
Mayak, S. 2834
Mayberry, K. S. 1638
Maye, J. P. 2606
Mayer, G. 1165
Mayne, C. S. 1614
Mazaredo, F. 455, 984
Mazza, G. 1485, 2004, 2008
Mbakwa, G. 862
Mbata, G. N. 658, 1765, 1827
Mbengue, H. M. 1391
Md. Yunus Jaafar 302
Meah, M. B. 2336
Medina, F. J. 597
Medina Malagón, L. M. 2570
Medlicott, A. P. 388
Meeteren, U. van 337, 1200
Mehan, V. K. 2861
Meheriuk, M. 583-584
Mehta, A. K. 2932
Mehta, P. K. 2287
Meier-Davis, S. 186
Meĭlakhs, I. I. 507, 1011
Meir, S. 726-727, 1298
Meister, A. 2895
Mejule, F. O. 226
Mekvanich, K. K. 23
Melcion, J. P. 843
Melfah, P. T. 1315
Melián, G. P. 1929
Melkani, A. B. 1746
Mello, V. D. C. 1493
Melton, L. D. 736, 2232, 2346, 2355, 2812
Mena Nevarez, G. 2669
Menasherov, M. 1240, 2311
Mencarelli, F. 327, 2578
Mendes Lavezzo, O. E. N. M. 531
Mendgen, K. 285
Mendoza, E. M. T. 1701
Meng, G. 1951
Meng, Q. G. 1092
Meng, X. L. 2088
Menini, U. G. 1067
Menon, A. R. S. 1472
Mensink, M. 57
Menzi, M. 1131
Merbel, N. C. van de 1921
Mercer, M. D. 2651
Meredith, F. I. 593, 1547, 2352, 2664
Meredith, R. H. 2523
Merkusheva, M. G. 2685
Merlo, L. 2684
Merodio, C. 1905
Meronuck, R. A. 2601
Merx, R. 1386
Mese, M. 1451
Messiaen, C. M. 418, 425
Messiaen, J. 1897
Messina, F. J. 2726
Mestres, C. 1536
Métay, C. 1271
Metwally, M. 2420-2421
Meyer, R. 820
Mi, S. S. 439
Mi, W. G. 2095
Miah, M. A. K. 88, 1512
Miaruddin, M. 1778
Michael, M. Z. 2401
Michalczuk, B. 2251
Michelena, J. B. 99
Michna, G. 114, 462, 2054-2055
Micke, W. C. 1165
Mičura, J. 28, 60
Midmore, D. J. 168
Mieszkalski, L. 968, 1058, 1380
Mihalski, K. 1385
Mihm, J. 2286
Mihm, J. A. 225
Mikaya, B. L. 36
Miketinac, M. J. 1499
Mikhaĭlova, G. N. 1693
Mikołajczak, J. 1123
Milanović, D. 239
Miles, G. E. 1048
Miljcović, I. 2697
Miller, B. R. 887
Miller, W. A. 1072
Miller, W. M. 2121
Miller, W. R. 887, 1631, 1636
Mills, J. T. 95, 216
Mills, R. 149
Milne, W. M. 2987
Min, Y. K. 1372
Miniati, E. 1485
Minischetti, P. 1265
Minyard, J. P., Jr. 777
Mirkov, T. E. 1906
Mirocha, C. J. 2427
Miron, J. 1618
Misaghi, I. J. 610
Mishchek, S. Yu. 76
Mishra, B. K. 2280
Mishra, P. R. 2280
Mishra, R. K. 1457
Mislivec, P. B. 1304, 1329
Misra, A. K. 672
Misra, J. B. 2063
Misra, J. K. 1848
Misra, L. 2493
Misra, M. 1537
Misra, M. K. 1551, 2542
Misra, S. S. 803
Missotten, C. 1666
Mitcham, E. J. 2231, 2798
Mitchell, F. G. 1165
Mitsumori, C. 1703
Mittal, G. S. 2192
Mittal, V. P. 2725
Miwa, Y. 2159
Miyabe, M. 2874
Miyahara, M. 826
Miyanishi, T. 1288
Miyashiro, A. 2849
Miyauchi, K. 2533
Miyazato, M. 2108
Mizrach, A. 1550, 1566
Mizrahi, Y. 1137
Mizuno, M. 44
Mizuno, S. 44
Mo, J. R. 2195
Mochizuki, F. 666
Moel, C. P. de 896
Moen, T. 1616
Moermans, R. 571
Moffitt, H. R. 662, 2647
Mogensen, B. B. 785
Mohamed Awad 1657
Mohammad, A. A. 2810
Mohammad, S. 81
Mohammad Ali 2656
Mohammed, M. 1157, 2769
Mohan, S. 233
Mohanan, N. 1452
Mohandas, N. 2303

Mohapatra, H. K. 2280
Mohd. Fared Putih 374
Mohr, W. P. 2892
Möhring, D. 1608
Moiseeva, L. N. 2234
Molenda, M. 1089-1090, 1586, 2163, 2607
Molhoek, W. M. L. 1870
Molina, A. 99
Mollendorff, L. J. von 296, 709, 715, 2199, 2233, 2642
Møller, H. 1752
Mollineda, M. 2736
Monaghan, J. 1708
Monarca, D. 53
Mondal, K. A. M. S. H. 1807
Mondy, N. I. 1347
Monke, E. 1453
Montagu, M. van 2823
Montani, M. L. 1927
Montealegre, J. R. 274
Monteiro, R. 1747
Montenegro, D. 2964
Montenot, J. P. 1450
Montoneri, E. 2392
Montross, M. D. 2034
Monyo, E. S. 1361
Moore, G. A. 1518
Moore, J. N. 556
Moore, K. G. 1914, 2388
Moore, K. J. 997
Mootoo, A. 1887
Mor, E. G. 76
Mora, J. C. 2934
Morabito, A. 1306
Moraes, E. A. 1560
Moran, S. 2734
Moran, V. C. 2304
Mordal, S. H. 251
More, H. G. 222
Moreira, R. G. 22, 523, 1511
Moreka, L. 2715, 2743
Moreno, J. 1883, 2260
Morey, R. V. 2041
Mori, H. 2370
Mori, M. 666, 1722, 2849, 2863
Moriguchi, T. 1890
Morishima, H. 1198, 1548, 1911-1912, 2092, 2387
Morita, K. 430-431, 450, 1497
Morito, K. 1570
Morozova, I. S. 2208
Morris, J. R. 556
Morris, L. L. 2223
Morrison, J. C. 730
Morrow, C. T. 2094, 2559, 2565
Mortimer, R. D. 773, 800
Morton, I. D. 1365
Mosandl, A. 2552
Moss, A. R. 2179, 2181, 2630
Mostafa, I. Y. 1311, 1317-1318
Mote, U. N. 200
Moti Singh 2791
Motohashi, N. 820
Mott, L. 775
Mourad, M. 2021
Moure, J. 2244
Mourer, C. R. 793
Mourgues, J. 1394
Moursy, L. E. 181
Moye, H. A. 774
Moyer, J. W. 2497
Moyls, L. 495
Moyne, C. 2067
Mu, S. S. 434
Muccio, A. di 771
Muck, R. E. 526, 1118-1120, 1610, 2312, 2636
Muhammad, S. H. J. 2583
Muhammad Nur Ahmad 873
Muhidong, J. 1529
Mühlbauer, W. 455, 978, 984
Muir, J. W. 1182
Muir, W. E. 87, 89, 1801
Mujumdar, A. S. 2023, 2025, 2073, 2490
Mukhherjee, D. 2211
Mukuru, S. Z. 1359
Mulatu, K. 20
Mulderij, G. E. 509
Mulkey, W. A. 2687
Mullen, M. A. 2745
Mullen, R. 1174
Müller, E. 2631
Muller, G. 1351
Müller, H. M. 2511
Müller, J. 1025, 2089
Müller, T. 2170
Müller-Lemans, H. 142
Mumford, J. D. 2271
Muñoz, R. 2792
Munro, P. A. 474
Munshi Singh 373
Münzing, K. 2604
Murakami, M. 1555
Murase, H. 2558
Murata, S. 987, 1496, 2007, 2030, 2533
Murdock, L. L. 1732, 2752
Murray, A. J. 1893
Musa, M. J. 1231
Musharaf, N. A. 1367
Mushi, A. M. 1224
Musingo, M. N. 720
Müsken, H. 1466
Mustafa, M. 245
Mustonen, H. M. 2775
Muthukrishnan, J. 1221
Muthukumarappan, K. 9, 1501
Mutschler, M. A. 2827
Mwase, N. 1559
Mwaura, E. N. 1511
Mycock, D. J. 1235
Myga, W. 1675
Myhan, R. 86
Nadhy, S. M. 224
Nadia, Y. A. 2153
Naewbanij, M. 25
Nagahiro, J. 451, 1495
Nagano, T. 2733
Nagashima, H. 820
Nagashima, N. 961
Nagata, M. 728
Nagayama, T. 1931-1932
Nagler, C. 1331
Nagler, M. 1331
Naguib, K. 2420-2421
Nair, K. N. 1487
Nakagawa, N. 2370
Nakahara, T. 2182
Nakai, S. 2623
Nakajima, M. 2874
Nakamura, R. 721, 2366
Nakamura, S. 2776
Nakamura, Y. 832
Nakayama, T. 2850
Nakazaki, K. 2318
Nakeeraks, P. 2298
Nam, M. H. 1712
Namasivayam, D. 1452
Nambu, S. 16
Nanni, B. 1871
Nanos, G. 1684
Nanos, G. D. 2799
Naqi, H. 1818
Naqvi, S. H. M. 1314
Naqvi, S. N. H. 1771
Narasimhalu, P. 537, 2168
Narasimham, P. 1861, 2771
Narayan, R. S. 1100
Narayan, V. S. 2540
Narayanan, A. 380
Nardin, K. 2091
Nardon, C. 630
Nardon, P. 630, 1798
Narkiewicz-Jodko, M. 2594
Nas, S. 2928
Nascimento, L. M. do 2217
Nasir, M. A. 1238
Nasseh, O. M. 2306
Natale, A. 35
Nath, A. 824, 1799
Nath, N. C. B. 2493
Natonek, E. 2561
Natsuga, M. 484, 990, 1555
Naumova, E. M. 1716
Navarro, P. 1398
Navarro, S. 664
Navarro, Z. S. de 1019
Navarro García, S. 814, 825
Nayital, R. K. 2675
Nderitu, J. H. 1217
Neamprem, S. 505
Neelakantan, S. 2891
Neeta Sharma 1252
Negassa, A. 1423
Negbenebor, C. A. 1564
Negi, S. C. 1091, 1136, 1595
Negova-Nović, D. 116
Negovanović, D. 1612, 2628
Nell, T. A. 77, 2983
Nelsen, T. C. 1034
Nelson, S. O. 428, 445, 960, 962, 973-974, 979, 991, 1103, 1520, 2037, 2512, 2514, 2519
Němec, V. 1826
Neményi, M. 992, 2609
Nepote, M. C. 2868
Neskovic, N. K. 1316
Nesterenko, A. M. 498
Netherlands, Agrotechnological Research Institute 1986
Netherlands, Laboratorium voor Bloembollenonderzoek 408
Netherlands, Proefstation voor de Akkerbouw en de Groenteteelt in de Vollegrond 894-896, 928-930
Neugebauer, M. 2467
Neumann, F. 1568
Neupane, P. R. 2259
Neves, L. C. 2072
Neves, V. A. 588
Nevins, D. J. 1287
New, S. W. 388
New Zealand, Massey University, Faculty of Agricultural and Horticultural Sciences 2487
New Zealand Journal of Crop and Horticultural Science 411
Newell, M. 2828
Newman, J. P. 1294
Neyman, J. 2738
Ng, N. Q. 1760
Ng, T. T. 412
Nganhou, J. 2078
Nguyen Thi, M. T. 1336
Nguyen Thi Minh Tam 1336
Ni, B. 1033
Ni, B. C. 2543
Niber, B. T. 198
Nicholson, J. W. G. 536
Nicholson, N. F. 1362
Nickerson, N. L. 165
Nicolas, J. 2362
Nicolas, J. J. 561, 722, 2127-2128
Nie, Z. S. 105
Nieddu, G. 1882
Nielsen, S. S. 1727
Nielson, K. K. 49
Niemann, J. 1194
Niewezas, J. 1494
Nigeria, International Institute of Tropical Agriculture 1982
Niimi, T. 651
Nijjar, G. S. 2688
Nikam, P. K. 1796
Niklis, N. 1680
Niklis, N. D. 2321
Nikolaeva, M. A. 1693
Nilsson, T. 1146
Nimesh Singh 2562
Niranjan, K. 844
Nisbet, R. M. 184
Nishi, T. 2849
Nishijima, W. T. 271
Nishima, T. 1931-1932, 2845
Nishimura, K. 2277
Nishimura, Y. 118
Nishina, M. 1802
Nishino, N. 96
Nishiura, Y. 2558
Nishiyama, Y. 452
Nitzan, R. 2311
Niu, Y. 16
Niu, Z. Y. 467, 1526
Niwas, S. 921
Njapau, H. 2852
Njualem, D. 603
Nnodu, E. C. 160
Noble, A. C. 730
Noble, R. 2230
Nogueira, R. I. 2068
Noh, S. H. 1103
Nokoe, S. 2715
Nokoe, S. K. 2743
Nonnecke, G. 1884
Noomhorm, A. 24, 1339, 1410
Noordegraaf, C. V. 77
Norén, O. 2882
Norin, T. 1810
Noro, S. 289
Norris, E. 1190
Norris, E. R. 1004
Norris, K. H. 481
Norton, G. A. 2271
Norway, Statens Fagtjeneste for Landbruket 417
Notton, B. A. 307
Nout, M. J. R. 841
Novak, F. S. 1431
Novák, I. 213
Novák, L. 2762
Novembre, A. D. L. C. 1582
Noviello, C. 1871
Novikov, Y. 2423
Nowak, J. 512, 614, 1000, 2251
Ntonifor, C. 603
Nugent, G. D. 2401
Nukaya, A. 1655
Nuppenau, E. A. 2944, 2947
Nurcan, M. 1310
Nwankwo, C. F. 591
Nybrant, T. 2012
Nydegger, F. 2463, 2576
Obara, N. 135, 289
Obasanjo, O. 1725
Obasi, B. N. 2361
Obeid, J. A. 101, 457
Obeng-Ofori, D. 1795, 2284, 2289
Oberholzer, H. 1255
Oberschelp, H. 392
O'Brien, G. M. 2064
O'Brien, P. J. 600
O'Connell, M. 1121
O'Connor, E. L. J. 2401
O'Connor, R. E. 1646
Odeyemi, O. O. 230, 1814
Odhiambo, T. R. 1725
Oduwole, O. O. 1961
Oebker, N. F. 610
Oehlschlager, A. C. 647
Oeller, P. W. 1910, 2371
Offenberger, M. 631
Ofoche, C. E. 454, 981, 989
Ofuya, L. T. von 2281
Ogawa, J. M. 2334, 2774
Ogilvy, S. E. 2339
Ogliari, P. J. 2767
Ogonor, J. I. 343
Ogura, M. 1288
Oh, D. S. 1408
Oh, M. K. 359
Oh, W. T. 656
O'Hare, T. J. 1658
Oheimb, R. von 952
Ohkawa, K. 2963
Ohmomo, S. 2182
Ohsawa, K. 1742
Ohsawa, T. 2319
Ohshima, M. 96, 1596
Ohta, H. 141
Oishi, R. 2733
Oje, K. 1527
Okada, K. 666, 1722
Okada, S. 117
Okagami, N. 1650
Okajima, T. 1596
Okamoto, M. 1205, 1373
Okamoto, T. 196
Okamura, N. K. 1047, 2110
Okazaki, K. 45
O'Keefe, D. P. 2825
O'Kiely, P. 529, 1119-1121, 2611
Okolie, P. N. 2361
Okonkwo, E. U. 2266
Okonronkwo, N. O. 1750
Okos, M. R. 363, 446
Okoye, W. I. 2266

Oksala, I. 2257
Oktavec, D. 817
Okumura, H. 1919
Oladiran, A. O. 1873
Olasantan, F. O. 2967
Oldham, J. D. 2622
Oldham, J. H. 1299
Ole-Sitayo, N. 2715
Olías, J. M. 2364
Oliveros-Belardo, L. 1140
Olorunda, A. O. 591
Oloso, A. O. 2456
Oloyede, V. A. 226
Olson, D. C. 2374
Olson, K. M. 2836
Olurinola, P. F. 2327
Olutiola, P. O. 707
Omueti, O. 1365
O'Neil, K. A. 2624
Ono, T. 2370
Onoue, Y. 2849
Onstad, D. W. 1737-1738
Ontai, S. L. 148
Ooi, P. A. C. 953
Oomah, B. D. 2004
Oosthuizen, P. H. 985, 994, 996, 2020
Oosthuyse, S. A. 2817-2818
Opedal, M. L. 1565
Orchard, J. 1558
Oreopoulou, V. 2464
Organisation for Economic Co-operation and Development 55
Orioli, G. A. 595
Orlandini, M. 326, 750
Orlikowski, L. B. 1272
O'Rourke, A. D. 918
Orr, G. 2811
Orr, P. H. 1078, 2134
Orsat, V. 1099
Orudzhiv, N. F. 173
Orvos, A. 2797
Osagie, A. U. 959
Osajima, Y. 592
Osbourne, B. G. 794
Oshima, K. 1913
Osores, V. M. 648
Ospina, B. 1403
Ostertag, C. F. 2910, 2918
Östin, A. 2358
Östling, C. 2180
Ostrowski, R. 464, 999, 2524, 2621
Ostrzycka, J. 137
Osuala, C. I. 1727
Osunade, J. A. 1108
Oswald, O. L. 556
Otan, H. 2539
Othieno, C. 1558
Othman Abdul Samah 374
Ötles, S. 1037
Otma, E. 57, 752
Otobe, K. 1557, 2681
Otten, L. 969, 1074, 1111
Ouamba, J. M. 1010
Ourecky, D. 2130
Oustapassidis, K. 905
Overbeek, H. 331
Owolarafe, O. K. 1943
Owuor, P. 1558
O'Yang, J. R. 852
Oyarzun, J. I. 679
Özdemir, F. 2928
Özelkök, S. 567, 1653, 2813-2814
Özilgen, M. 847
Pabst, A. 2549
Pacatang, L. 2036
Padgham, J. 223
Padmaja, G. 102
Padua, R. 2036
Page-Degivry, M. T. le 326, 334, 750
Paglietta, R. 167
Paige, D. 483
Paita, B. L. 1388
Pak, C. 510, 1720
Pakistan, Nuclear Institute for Agriculture and Biology 2484
Pakistan, Pakistan Agricultural Research Council 1195
Pakpahan, A. 1374
Pal, S. 809, 876
Palazov, V. A. 498
Palazzo, D. 802
Palma, T. 1282
Pandey, N. D. 2729
Pandey, R. K. 2262
Pandey, S. K. 2262
Pandey, U. B. 2313
Pandita, M. L. 1877
Paneru, R. B. 2259
Panfili, G. 2412
Pang, W. 66
Panigrahi, S. 2064
Pankotai-Gilinger, M. 838
Panneton, B. 1099
Panozzo, J. F. 2877
Pant, C. C. 2395
Papadich, I. A. 6
Papršteín, F. 2586
Pareek, B. L. 815
Pareek, O. P. 2968
Parigi-Bini, R. 1127, 2627
Parihar, R. 1746
Parish, W. E. 191
Park, C. E. 1933
Park, D. L. 2852
Park, H. 2403
Park, K. J. 2068
Park, K. Y. 2400
Park, S. K. 730
Park, T. 2738
Park, Y. M. 1661
Park, Y. S. 2538
Parker, B. L. 1756
Parkes, M. E. 438
Parmar, B. S. 2263
Parnell, C. B., Jr. 1385
Parti, M. 1508
Pascale, A. M. de 1038
Pascat, B. 1175
Paschino, F. 35
Pascual, L. 1167
Pasion, W. 606
Paster, N. 1240, 2311
Pasternak, H. 1045
Patel, B. K. 810
Patel, C. B. 834
Patel, G. S. 2335
Patel, H. 2116
Patel, J. R. 244, 810
Patel, K. V. 1587
Patel, R. B. 2335
Patel, S. 2406
Patey, A. L. 349
Pathak, M. D. 2492
Pathak, V. N. 1254, 1872
Patil, A. A. 2448
Patil, C. S. 837
Patil, R. T. 1001, 2051
Patil, Y. B. 2448
Patnaik, G. 2477
Patočka, K. 2586
Patourel, G. le 204, 220
Patra, D. K. 2197
Patrikeeva, M. V. 686
Pattee, H. E. 1580
Patterson, D. E. 2000
Patterson, M. E. 280, 1073
Paul, K. 373
Paull, R. E. 148
Paulsen, M. R. 1033, 1517, 1541, 2090, 2543, 2545
Pavek, J. J. 1705
Pavičić, N. 2697
Pawar, C. V. 1796
Pawelzik, E. 2147
Payak, M. M. 2766
Payne, C. 860
Payne, J. A. 565, 2098
Pearrow, J. 897
Pearson, K. 1678
Peart, R. M. 435, 437, 2246
Pecen, J. 2574
Pech, J. C. 2379-2381, 2488
Pecker, I. 320
Pedraza, D. 2553
Peer, R. 1875
Peeran, S. N. 2591
Peers, D. G. 530
Peeters, J. 2224
Pekhal'skiĭ, I. A. 5
Pekker, Y. 2373
Pęksa, A. 2446
Peleg, K. 2557
Pellacani, M. A. 1930
Pellizzi, G. 2000
Peñarrubia, L. 2382
Peng, H. 1469
Pennycook, S. R. 1867
Pentz, W. 892, 952
Pepeljnjak, S. 347
Peppelenbos, H. W. 1069
Peralta Izarra, P. 2907
Peregrine, W. T. H. 419
Perera, K. D. A. 938
Pereverzev, D. S. 688, 693
Pérez, A. 1166, 1259
Pérez, A. G. 2364
Pérez, T. 2736
Pérez-Camino, M. C. 2220
Pérez-Lanzac Muela, J. 377
Pérez-Zúñiga, F. J. 323
Performance Press Ltd. 2713
Perik, R. R. J. 2398
Perkins, H. H. 2460
Perkins, J. M. 830
Perkins-Veazie, P. 1170, 1884, 2344
Perkovskaya, G. Yu. 1249
Perlak, F. J. 1465
Permual, D. 204
Pernice, A. 1306
Perrier, A. 2057
Perrino, P. 1760
Perry, A. K. 1673
Perry, C. D. 2515
Peryea, F. J. 575, 2871
Pesce, A. R. 1747
Pesce, S. 93
Pesetskas, P. Yu. 129
Pesis, E. 1143
Petagine, F. 794
Petchey, A. M. 1577
Peter, C. 246
Petera, M. 998
Peters, R. 1567, 2137
Peterson, C. L. 2120
Peterson, R. H. 485
Peterson, W. H. 2503
Petiprez, M. 2381
Petitpierre, E. 2740
Petrich, G. 2169
Petruševičius, V. 34
Pettinelli Júnior, A. 1579
Pharr, D. M. 317
Phavaphutanon, L. 325
Pheerasatian, N. 1421
Philippon, J. 2128
Phillip, L. E. 524, 1130
Phillips, A. J. L. 1341
Phillips, D. J. 272
Phillips, P. A. 1997
Phillips, S. I. 674
Philosoph-Hadas, S. 726, 1298
Phirke, P. S. 855
Piccarolo, P. 521, 1505
Picci, G. 1920
Pichard, B. 234
Piché, M. 1099
Pico, G. A. do 398
Picollo, M. I. 1767
Picton, S. 2368, 2378
Piedade Júnior, C. 364, 1379, 2884
Piekos, B. 2824
Pierce, S. 1828
Piergiovanni, A. R. 1760
Pierzynowska-Korniak, G. 1764
Pietersma, D. 2608
Pietrzak, L. 2286
Pike, V. 223
Piłat, J. 1123
Pimentel, D. 2256
Pinault, L. 115
Pinckney, T. C. 2949
Pinnavaia, G. 2060
Pino, J. 2930-2931
Pińska, M. 2235
Piszczalka, J. 845
Pithaya-Achariyakul, P. 1323
Pitiyont, V. 1742
Pitt, J. I. 1301, 2330
Pitt, R. E. 526, 2312, 2636
Pitts, M. J. 2886
Piva, C. A. dal 2767
Pizziol, P. 508
Plasticulture 124
Plaza, J. L. de la 2244-2245
Plekhov, B. G. 429
Pliquett, F. 1188
Płocharski, W. 870
Plotkin, S. 1793
Ploubidou, A. 718
Plumbley, R. A. 1858
Podkówka, W. 2621
Podkówka, Z. 1125
Podrushnyak, A. E. 1922
Poesse, G. J. 2000
Pogson, B. J. 303, 2365, 2815
Poirier, D. 162
Polderdijk, J. J. 1148
Polesello, A. 2679
Polito, V. S. 1144
Poll, J. T. K. 895
Pollio, M. L. 2005
Poloczek, A. 114, 2055
Pomeranz, Y. 2721
Pomilio, A. B. 557, 607
Pommerening, B. 802
Poneleit, L. 2373
Ponnampalam, R. 1892, 2201
Poovaiah, B. W. 1900
Popov, D. 527
Popov, S. I. 2889
Porta-Puglia, A. 1265
Posso, C. E. 224, 2751
Potecchi, S. 1134
Pouliquen, H. 115
Poulsen, K. P. 2716
Powell, K. A. 2310
Power Farming 90
Prabhanjan, D. G. 963
Prakash, A. 1813
Prakash, S. 2633
Prando, H. F. 1064
Prange, R. K. 1171, 2196, 2759
Prapaipong, H. 2359
Prasad, B. V. S. 976
Prasad, S. 1161
Prasad, U. S. 2806
Pratella, G. C. 287, 543, 1153, 1158, 2779
Pratt, R. C. 1732
Precheur, R. J. 822
Predebon, S. 1641
Preece, J. E. 1993
Preisler, H. K. 258
Press, J. W. 2745
Pressey, R. 1885
Préstamo, G. 1397, 2793
Pretel, M. T. 2803, 2805
Price, N. R. 187, 1215
Prickett, A. J. 641
Prieger, F. 2739
Priem, B. 2348
Prigojin, I. 54, 1045
Prince, T. A. 1977
Pringle, R. T. 1709, 2704
Pritchard, M. K. 279, 1696
Proctor, F. J. 390
Proft, M. de 805
Prokakis, G. 2890
Proydak, N. I. 2888-2889
Prudil, S. 2640
Prusky, D. 1259, 1858-1859
Prussia, S. E. 1080, 1552, 1563, 2554
Pruthi, J. S. 1957
Ptasznik, W. 2011
Ptaszyńska, K. 1810
Puchała, R. 1613
Puchalski, C. 2790
Puga, B. E. 2901
Pülm, M. 1009
Pulvirenti, C. 1808
Pun, T. 2561
Punja, Z. K. 2317
Purcell, J. C. 1544
Pushpamma, P. 2985
Put, H. M. C. 762, 767

Putnam, M. L. 2410
Putz, B. 1401-1402
Puyvelde, L. van 1789
Pyle, D. L. 844
Pylypiw, H. M., Jr. 2843-2844
Qi, P. K. 282
Qi, S. C. 1141
Qi, X. 439
Qiu, W. 1554
Quadir, M. A. 2656
Quarles, W. 621
Quartacci, M. F. 2795
Quartey, G. K. 1728
Quast, P. 310
Quattrone, A. 93
Quattrucci, E. 2412
Quevedo, M. A. 161
Quevillon, M. 1135
Quian, H. Y. 2187
Quick, G. R. 455, 984, 1388-1389
Quick, W. P. 1285
Quiniones, A. C. 1777
Quinn, F. A. 217
Qureshi, M. J. 1314
Quroshi, S. U. 2336
Rabatel, G. 2571
Rabe, E. 1543, 2203
Rabitti, T. 1930
Račkauskis, J. 1060
Radcliffe, F. 789
Radha Charan 2932
Radovanović, T. 675-676
Radyuk, V. A. 2208
Raeymaeckers, L. 50
Raghavan, G. S. V. 10, 963, 1004, 1099, 1491, 2019, 2023, 2025
Rahalkar, G. W. 1833
Rahbé, Y. 630
Rahim, A. 251
Rahman, M. F. 1723, 1782
Rahman, R. 1723
Rahman, S. 605
Rahmani, M. A. 1450
Rai, K. N. 921
Raifsnider, R. 2034
Rais Ahmad 2924
Raj, M. F. 810
Raja, I. A. 1489
Rajagopal, D. 2302
Rajendiran, A. R. 2080
Rajendra Gupta 2166
Raju, D. V. N. 2708
Raju, J. S. N. 2708
Raju, N. R. 1960
Rakariyatham, N. 2359
Rakipov, V. 1591
Ram Singh 2285
Ramadoss, C. S. 2429
Ramakrishna, N. 2861
Ramalingaswamy, K. 2708
Ramamoorthy, K. 2591
Ramanzin, M. 1369
Ramaraj, P. 1219
Ramasamy, V. 2080
Ramgraber, L. 848
Ramírez, C. R. 2899
Ramírez-Martínez, J. R. 874
Ramos, A. D. 161
Ramuir Singh 1098
Ramunsri, W. 2405
Ramzan, M. 2750
Rana, G. S. 2328, 2773
Ranalli, A. 366
Rananavare, H. D. 1833
Randhawa, H. S. 2150
Randhawa, M. A. 1238
Randle, W. M. 2096
Rane, S. D. 795, 837
Rangaswamy, J. R. 655
Ranjan, K. S. 351
Ranjana Luthra 2787
Ranwala, A. P. 291, 2356
Rao, A. L. J. 797
Rao, B. G. 796
Rao, J. 1813
Rao, K. J. 1815
Rao, K. L. 2708
Rao, P. H. 2429
Rao, P. K. 1812
Rao, P. V. 356
Raoult-Wack, A. L. 469
Rashilah, M. 1375
Rashmi Parihar 1746
Rastoin, F. 1444
Ratnadass, A. 241
Rauter, W. 1946
Raveendran, N. 1589
Rawa, T. 1381
Ray, A. K. 2473
Ray, J. 1273
Raymer, P. L. 1744
Read, P. E. 1993
Read, P. J. 702
Recasens, I. 573, 1901
Reddy, S. M. 2422
Reddy, V. P. 1357
Redenbaugh, K. 1998
Redgwell, R. J. 736, 2346
Redman, P. L. 1622
Reeck, G. R. 629, 1751
Reed, M. 1417
Reeder, W. F. 1226
Reenen, H. S. van 335
Rees, H. H. 1793
Reev, V. R. 27
Refai, M. K. 2860
Regel, P. A. 599
Regis-Role, S. D. 2869
Regner, J. 1132
Reich, J. 2130
Reichmuth, C. 1204, 2281
Reid, J. F. 1033, 1541, 2090, 2543
Reid, M. S. 617, 757, 765, 1294, 1297, 2399
Reilly, A. 2418
Reinhard, E. 619
Reis, M. R. C. S. 354
Renz, A. 2684
Resch, R. 2172
Retamales, J. 540, 542
Rettinger, K. 2552
Reust, W. 2237
Revear, L. G. 2324
Revilla, E. 1929
Revilleza, M. J. R. 1701
Reyes, A. A. 1856
Reznik, E. I. 501
Rheaume, L. 836
Rhee, M. S. 2538
Rhee, S. H. 359
Rheem, H. A. 1408
Rho, J. Y. 1531
Ribot, S. A. 335
Richard, F. C. 722
Richard-Forget, F. C. 2127-2128
Richardson, D. G. 584
Richardson, M. 1751
Richter, J. 1218
Richter, W. I. S. 2417
Rickard, J. 2064
Rickard, P. C. 1645
Ricketson, C. L. 608
Riedel, R. M. 822
Righetti, T. L. 1244
Rigney, M. P. 1050, 1549
Rij, R. E. 2320
Rijk, T. de 616
Rimfiel, J. 2583
Rimmer, S. R. 279
Rindner, M. 215, 664
Río, M. A. del 1156, 1398
Rios, J. J. 2364
Riov, J. 2357
Ripperda, J. 1294
Riquelme, F. 2803, 2805
Risha, E. M. 189, 1729
Risi, E. de 508
Riskowski, G. L. 1104
Rivan, Y. 1247
Rivera, M. 1227
Rivera, W. M. 380
Rizzolo, A. 1689, 2679
Robacker, K. M. 2802
Robberechts, D. 459
Robbers, J. E. 1148
Robbertse, P. J. 2677
Robbins, J. A. 1903
Roberts, R. G. 1246
Roberts, W. E. 777
Robertson, D. 300, 318
Robertson, J. A. 593, 1547, 2352, 2664
Robertson, J. F. 1711
Robertson, J. L. 258
Robertson, S. 1597-1598
Robins, D. 2491
Robinson, J. 514
Robowsky, K. D. 2170
Roca, J. 168
Rocha, M. O. C. 1803
Rocha, S. C. S. 2001
Rocha, T. 2084
Rödel, G. 1523
Rodov, V. 2315
Rodriguez, F. M. 1701
Rodríguez, M. S. 1883
Rodriguez-Amaya, D. B. 2839
Rodríguez B., A. 2911
Rodríguez García, M. I. 1167
Rodríguez Morales, S. 2903
Rodríguez Q., P. 2904, 2911
Roelofs, F. 1657
Roelofs, F. P. M. M. 1686
Rogers, V. C. 49
Rogozińska, I. 2235
Rohani, M. Y. 1938
Rohrbach, D. D. 1965
Rohrbach, K. G. 272
Rohrbach, R. P. 1571
Roitman, J. N. 706
Rojas-Bourrillon, A. 1621
Roland, J. C. 2807
Rolston, L. H. 2687
Roma, E. V. 695
Romani, R. J. 2799
Romania, Institutul Român de Standardizare 1592
Romanoff, S. 2921
Rombaldi, C. 2381
Rombouts, F. M. 841
Römer, S. 319
Romer, T. R. 1303
Romero, L. 2553
Romojaro, F. 2805
Roncal, E. 2930
Rong, G. 1091
Rooney, L. W. 361, 1355, 1363, 1371, 1478
Roos, A. de 184
Ros, F. 2571
Ros Barceló, A. 2792
Rosa, L. de la 2887
Rosado, A. 2931
Roşca, C. 1662
Rose, H. A. 628
Rose, K. J. 2300
Rose, P. 738
Rosenberger, D. A. 1263
Rosenberger, I. 1648
Rosenfeld, D. 492
Rosenfeld, H. J. 417
Rosenhouse, G. 492, 1550
Roslund, C. A. 2454
Ross, G. S. 1691
Ross, I. J. 1089-1090, 2163, 2607
Rossall, S. 2316
Rossi, S. J. 2072
Rossy, N. N. V. 1019
Roszyk, J. 2107
Rotaru, G. I. 2205
Rott, R. 1939
Rotz, C. A. 2183, 2636
Roudot, A. C. 2560
Roudot, F. 2560
Rouel, J. 113
Rouet-Mayer, M. A. 1296, 2128
Roux, O. 1835
Rowe, K. E. 860
Roy, A. K. 708
Roy, R. 353
Roy, S. 2807
Roy, S. K. 1878
Roychoudhury, N. 1739
Royo, J. 1830
Rua, S. M., Jr. 2852
Rubey, L. 1967, 2469, 2471
Rubin, L. 727
Rubio, J. M. 2740
Rudnicki, R. M. 614
Rue, A. 1351
Ruhno, J. 942
Ruiz, V. 2914
Rumahombo, M. 1374
Rumsey, T. R. 1007
Runham, S. 1633
Runham, S. R. 1645
Runtso, M. A. 129
Rusina, I. F. 2208
Russo, C. 1934
Ruting, A. 333
Ruzhitsky, V. N. 1051
Ryan, C. A. 1292
Ryan, J. W., Jr. 1590
Ryan, M. F. 2734
Ryngajłło, L. 179
Ryoo, M. I. 2273
Ryzhov, S. V. 501
Saad, M. M. 2860
Sabarez, H. T. 1410
Sabir, M. S. 1510
Sabirov, M. B. 120
Sabuco, C. 606
Sacalis, J. N. 2981
Sacks, E. J. 2691
Sacks, J. M. 1078, 2134
Sadamatsu, M. 682
Sader, R. 1539
Sadhu, M. K. 2197
Saeed, M. 2694
Saenong, S. 2003
Sáenz, M. V. 1150-1151
Sagara, Y. 1468
Saggar, R. A. M. 1279
Sagnia, S. B. 2156
Saha, M. L. 1857
Sahab, A. F. 2420-2421
Sahadeo, P. 1717
Sahay, K. M. 2504
Sahay, S. S. 351
Sahoo, S. C. 920
Sahu, A. 2444
Saijo, R. 728
St. Amand, P. C. 2687
Saito, Y. 826, 2109
Saitoh, C. 1913
Sakaguchi, E. 961
Sakai, K. 16
Sakai, M. 1373, 1919
Saks, Y. 746, 1916-1917
Sakurai, N. 1287
Sala, K. 464
Sala Mayato, L. 273
Salama, H. S. 1805
Šalamon, I. 2083
Salas, J. 1901
Salas, S. 1888
Salazar, A. M. 1701
Salazar, G. C. 1388-1389
Salcedo, G. 1791, 1830
Saleem M. A. 1755
Salmerón, M. C. 737
Salokhe, V. M. 2443
Salorinne, L. 569
Saltveit, M. E. 765, 1159
Saltveit, M. E., Jr. 148, 586, 2350
Salunkhe, D. K. 2842, 2989
Salvacruz, J. 1417
Salwa, S. G. 2153
Samaratunga, P. A. 1377
Sams, C. E. 1670
Samsudin, A. 1938
Samuel, D. V. K. 1013, 2444
Sanada, T. 1890
Sances, F. V. 812, 831
Sánchez, E. E. 1244
Sánchez-Monge, R. 1791, 1830
Sánchez Regueiro, O. 2873
Sandberg, G. 2358
Sanders, G. W. 1933
Sanders, R. 1998
Sanders, R. A. 2452
Sanderson, D. B. 87
Sanderson, J. B. 537
Sanderson, M. A. 1620
Sandhu, R. 2992
Sandmann, G. 320
Sanford, J. 2130
Sanford, K. A. 165

Sankat, C. K. 576, 2071, 2074, 2652
Sansavini, S. 1989
Santa-María, G. 2809
Santen, C. van 1480
Santilocchi, R. 1122
Santorum, A. 1437
Santos, D. S. B. dos 1493
Santos, H. do N. 1575
Santos, R. de F. A. dos 2218
Santos, R. R. dos 1351
Sanyal, A. 652
Sanz, C. 2364
Saravanan, S. D. 1589
Sarazin, M. J. 1202-1203, 1983
Sargent, S. A. 1062, 1072, 2246
Sarig, Y. 506, 2556, 2564
Sárkány, Z. 992, 2609
Sarkar, T. K. 235
Sarker, N. N. 1502, 2161
Sarkis'yan, G. 1542
Sarnthoy, O. 1228, 1836
Sartori, D. J. M. 2024
Sartori, M. R. 1579
Sarup, P. 231, 236, 249
Sarwar, G. 387, 1429
Sasaki, Y. 2146
Sasikala, V. B. 655
Satake, R. 2437
Sato, K. 64
Satoh, I. 2648
Satoh, T. 1451
Satou, H. 74
Satyan, S. H. 1163
Saubois, A. 2868
Saubry, A. J. 1445
Saucedo Veloz, C. 2669
Sauer, D. B. 2601
Saunders, N. A. 942
Saunt, J. E. 139
Saurabh Prakash 2633
Saurer, W. 1535
Savage, J. 1979
Savarese, P. 2375
Savarino, P. 2392
Savin, K. W. 2401
Savino, E. 1239
Savino, P. 2617
Savoie, P. 535, 1135, 2119, 2625
Savvidou, N. 1726
Sawa, J. 2573
Sawada, T. 1198, 1548, 1911
Saxena, V. S. 1749
Scalcione, M. 1871
Schaalje, G. B. 1343
Schade, W. 1601-1602
Schäfer, W. 1409
Schäfermeyer, S. 950
Schalkwyk, D. J. van 348, 2855
Schantz, R. 319
Schaper, L. A. 1082
Schatzki, T. F. 2295
Scheer, A. 2248
Schiano, E. 2795
Schiewe, A. 285
Schild, G. J. 533
Schirra, M. 1660, 1882
Schlimme, D. 153
Schmidlin, A. 2635
Schmidt, G. H. 189, 1729, 1828
Schmidt, H. U. 2255
Schmidt, O. G. 1354
Schmidt, P. V. 2249
Schmidt, S. J. 1673
Schmitt, R. D. 781
Schneider, J. 2594
Schnürer, J. 1236, 1849
Schoenau, G. 1001
Schoenau, G. J. 2053
Scholten, J. 2226
Scholtens, A. 1657, 1686
Scholz B., A. 1603
Schoneveld, J. A. 1634
Schor, D. M. 780
Schouten, S. P. 1181
Schreiber, A. 619
Schreier, P. 1395, 2549
Schrevens, E. 50
Schroeckenstein, D. C. 186
Schubiger, F. X. 1131
Schuch, W. 300, 318, 741, 1273, 1893
Schuette, C. 2156
Schüler, K. 2239
Schuler, S. F. 43
Schulte, N. L. 1077
Schultheis, J. R. 857
Schultz, F. A. 2297
Schulz, F. A. 1223
Schulz, H. 2788
Schulz, O. 2455
Schulze, D. 79
Schuman, J. D. 836
Schurer, B. 2856
Schurig, M. 1523
Schutte, A. L. 265
Schvarzer, J. 1351
Schwan, R. F. 2461
Schwartz, Y. 506
Schwedes, J. 79
Scicchitano, R. 942
Scienza, A. 2091
Scorr, E. L. 2738
Scott, G. J. 2897, 2909, 2920, 2990
Scott, K. J. 1163
Scott, R. K. 2986
Scudamore, K. A. 2154
Seals, J. L. 2981
Searcy, S. W. 52
Seaton, K. A. 1233
Seck, D. 2269, 2290-2291, 2294
Seconda, L. 2526
Sedlák, J. 171
Seetha, R. 356
Sefton, M. A. 2104
Segura, O. L. 225
Sehtiya, H. L. 2787
Seib, P. A. 1101-1102
Seiber, J. N. 778
Seifelnasr, Y. E. 1741, 2270
Seiler, D. A. L. 794
Sekse, L. 1565, 1902
Seleznev, A. D. 129
Selezneva, G. P. 2209
Seliga, A. 1084
Selmer-Olsen, I. 1597-1598
Selvendran, R. R. 2655
Semanhyia, C. B. 1315
Sémon, E. 2549
Semple, R. L. 1479
Senanayake, Y. D. A. 2597
Senge, B. 2249
Senick, R. I. 1241
Senter, S. D. 565, 2098, 2664
Seo, K. I. 163
Seo, Y. 1198, 1548, 1911-1912, 2092, 2387
Seoane, J. R. 2625
Seoane, R. 1166
Seok, Y. S. 1531
Sepúlveda, N. 900
Serebryanyĭ, A. M. 2353
Serek, M. 329, 1719, 2832
Serna-Saldivar, S. O. 1363, 1371
Serov, A. N. 500
Serrallach, G. F. 2699
Serrano, M. 2803, 2805
Serratos, J. A. 2286
Şesan, T. 704
Severin, M. 2269
Severini, C. 2060
Severson, R. F. 2757
Sévila, F. 2571
Seyfarth, W. 2170
Seymour, G. B. 300, 303, 1486
Sfakiotakis, E. 1680, 1684
Sfakiotakis, E. M. 2321
Shaaya, E. 182, 620, 1786, 1793
Shackel, K. A. 312
Shade, R. E. 1732, 2752
Shah, A. 2395
Shah, A. H. 833-835
Shah, G. C. 1746
Shah, I. H. 977
Shah, P. G. 810
Shah, R. M. 2066
Shah, W. H. 2694
Shahid Shaukat, S. 1540
Shahjahan, I. A. 1776
Shakirzyanova, G. S. 237
Shakoori, A. R. 1755
Shalom, Y. 1648
Shamsudin, M. N. 1460
Shanahan, J. F. 2056
Shang, H. L. 1924
Shantaram, M. V. 1414
Shantha Krishnamurthy 2198
Shapiro, B. 680, 1869, 2315
Sharaby, E. 2860
Sharaf, A. R. 2350
Sharma, A. D. 1502, 2161
Sharma, B. N. 1457
Sharma, D. C. 1799, 2301, 2425, 2755
Sharma, D. K. 796, 2263
Sharma, G. J. 2768
Sharma, H. L. 2150
Sharma, K. K. 1923
Sharma, N. 1252
Sharma, N. K. 796
Sharma, R. C. 2766
Sharma, R. L. 1261
Sharma, R. N. 85
Sharma, S. 2968
Sharma, V. K. 1006, 1012
Sharman, M. 349, 2406
Sharp, J. L. 260, 1837, 1842
Shastri-Bhalla, K. 1790
Shatadal, P. 2544
Shaukat, S. S. 1540
Shaw, D. V. 2691
Shaw, E. E. 2090
Shaw, P. E. 489, 1164
Shazali, M. E. H. 214
Shcherbakova, Yu. B. 686
Shchurikhin, V. K. 493
Sheaffer, C. C. 485
Shearer, S. A. 1554
Sheehy, R. 1998
Sheehy, R. E. 2383, 2452
Sheikh, G. S. 1510
Shelar, V. R. 2152, 2592
Shelford, J. A. 1613, 2623
Shellie, K. C. 2097
Shenhmar, M. 2714
Shephard, G. S. 348, 2855
Shepherd, A. W. 2465
Sheriff, J. T. 1411
Sherman, W. B. 593
Shewfelt, R. L. 1293, 1347, 1563
Shi, H. X. 433
Shi, J. X. 1868
Shi, Y. M. 170
Shibamoto, T. 793
Shibuya, T. 666
Shields, D. A. 919
Shijimaya, K. 97
Shim, K. H. 163
Shimazaki, K. 666, 1722
Shin, B. S. 2274
Shinbori, F. 2588
Shinoda, K. 196
Shioda, H. 1931-1932
Shioya, T. 97
Shiraishi, S. 2656
Shirazi, A. 1637, 1640
Shirk, P. D. 182, 620, 1793
Shiryaev, E. N. 59
Shisai, T. 452
Shivankar, V. J. 829
Shivhare, P. 2416
Shivhare, U. S. 10, 1491, 2019, 2023
Shmulevich, I. 492
Shoba, N. 1406
Shock, C. C. 2447
Sholberg, P. L. 700
Shropshire, G. J. 2120
Shrotriya, A. K. 1098
Shukla, B. D. 2027, 2502, 2881
Shukla, Y. M. 1587
Shumway, C. R. 1371
Shushunova, A. F. 340
Shuvaneva, G. P. 1609
Shyy, Y. Y. 1551, 2542
Šibalić, I. 358
Sibbett, G. S. 1165
Sibly, R. M. 1752
Siddiqui, A. K. 605
Siddiqui, S. 1669, 2661
Sidibé, B. 2290-2291
Sidik, M. 1787
Siebenmorgen, T. J. 1940-1941, 2009, 2038
Siegmund, E. G. 1307
Siegrist, J. P. 2653
Siga, T. 365
Sigee, D. C. 1257, 2323
Sikka, B. K. 2474
Silhacek, D. L. 182, 620, 1793
Silou, T. 1010
Silva, C. P. 646
Silva, D. O. 2461
Silva, F. A. P. da 1806
Silva, G. M. L. 588
Silva, J. B. da 1538
Silva, J. F. C. da 457
Silva, M. A. de 457
Simatupang, P. 1374
Simčič, M. 2696
Simon, J. 2739
Simon, J. E. 1048
Simonaitis, R. A. 643, 2272
Simonova, N. N. 120
Simons, D. H. 2550
Simpson, B. K. 1299, 2841
Şimşek, G. 1652
Simwogere, E. 1947
Sinclair, J. B. 1541, 2545
Singal, S. K. 1822
Singh, A. K. 1383, 2806
Singh, B. 661, 1128, 2729
Singh, B. B. 1760
Singh, B. P. 2794
Singh, B. P. N. 1352
Singh, C. N. 2791
Singh, D. 2749
Singh, D. K. 2729
Singh, J. 1350, 1352
Singh, K. 1914, 2328, 2388, 2773
Singh, K. J. 626
Singh, K. K. 2027, 2502
Singh, K. P. 2238
Singh, M. 373, 2791
Singh, M. B. 2755
Singh, M. P. 2441
Singh, N. 1043
Singh, N. K. 1732
Singh, O. P. 626
Singh, P. P. 344
Singh, R. 199, 1098, 1216, 2285
Singh, R. P. 504
Singh, S. 1779
Singh, S. N. 921
Singh, S. P. 2720, 2979
Singh, S. R. 1760, 2474
Singh, U. 356
Singh, V. 1766, 1823
Singh, V. P. 373, 517
Singh, Y. 2140
Singh, Y. P. 2729
Singleton, J. A. 1580
Singson, C. 606
Sinha, A. K. 206, 351, 1847
Sinha, B. P. 1334
Sinha, K. K. 206, 1847
Sinha, N. K. 371
Sinha, R. N. 89, 216, 671
Sinha, S. P. 247
Sinicio, R. 87
Sirevåg, R. 321
Siriacha, P. 1324, 2862
Sisler, E. C. 1889, 2670
Siti Halijah Ali 302
Sitton, J. W. 280
Sivapragasam, A. 1231
Skade, S. 2716
Skarshewski, P. 1646
Skerritt, J. H. 1926
Skibicki, P. 1810
Skog, L. J. 1635
Skoudridakis, M. T. 2326
Skovorodina, M. V. 340
Sku, C. 2155
Škultéty, M. 109
Škultétyová, N. 109
Slaughter, D. C. 481, 1079
Slepukhina, L. V. 2208
Slootweg, G. 337

Slović, S. 527
Slyusarenko, M. Ya. 1706
Smalley, E. B. 1327
Smilanick, J. L. 1248, 2320
Smitanond, B. 1736, 1742
Smith, C. J. S. 300, 1273, 1907
Smith, D. B. 1529
Smith, D. H. 2056
Smith, E. A. 438
Smith, E. J. 2622
Smith, E. S. C. 1229
Smith, G. S. 568
Smith, H. 2378
Smith, J. J. 2345
Smith, J. P. 1299, 2841
Smith, K. P. 1860
Smith, L. 650
Smith, M. T. 306, 746
Smith, R. B. 1635, 1651
Smith, R. H. 1752
Smith, R. M. 1140
Smith Figueroa, G. E. 1415
Smittle, D. A. 577, 2651
Smoot, L. A. 836
Sniffen, C. J. 122
Soares, L. M. V. 2837
Soderstrom, E. L. 254
Sodi, C. 2679
Sodio, B. 1845
Sokhansanj, S. 1001, 1499, 2032, 2051-2053, 2516, 2520
Sokolov, A. V. 94
Sokrovishchuk, V. G. 76
Soliya, D. T. 80
Solomos, T. 2833
Solov'ev, A. M. 463
Soma, Y. 2451
Somchoudhury, A. K. 235
Somer, D. 1088
Somer, M. 1022
Somhorst, D. 402, 1915, 2402
Somiari, R. I. 2432
Sommer, H. J., III 2094, 2559, 2565
Sommer, R. J. 2276
Somos, G. 1593
Son, G. M. 1286
Son, J. R. 1372
Son, K. C. 2757
Sonego, L. 1677
Song, A. 1101-1102
Song, G. Q. 852
Song, H. 41
Song, J. 1674
Song, Y. 2650
Song, Y. Z. 2144
Sonneveld, C. 1655
Sonoda, R. M. 2774
Sonoda, T. 2341-2342
Soon, A. K. 1056
Soponronnarit, S. 1500
Soprano, E. 1064
Sordelli, C. 2031
Sorge, R. 2577
Sorokin, V. M. 463
Sorokina, A. D. 2234
Sorour, M. A. 2212
Sosnowski, S. 1561
Sosulski, F. 2032
Sosulski, F. W. 2516
South Africa, South African Avocado Growers' Association 394
South Africa, South African Mango Growers' Association 2969
South African Sugar Journal 2142
Southwell, K. H. 2885
Souty, M. 164, 1866
Sowa, G. 1698-1700
Söylemezoğlu, G. 2219
Spada, G. L. 1689
Spagna, G. 1006, 1012
Spanghero, M. 1369
Spanos, G. A. 2893
Sparks, A. 2953
Sparks, A. L. 912, 925, 1975
Specht, A. 1710
Speirs, J. 1274
Spekking, W. T. J. 402
Spencer, D. M. 283
Spencer, J. F. T. 283
Spillman, C. K. 2160
Spoelstra, S. F. 1118, 1611
Spoor, M. 1425
Spotts, R. A. 1250
Springhetti, A. 1740
Sreenarayanan, V. V. 1952
Srilatha, G. M. 1811
Srilatha, H. R. 1960
Srimathi, P. 2591
Srivastava, A. 1950
Srivastava, K. J. 2313
Srivastava, N. S. L. 2157
Srivastava, P. K. 2157
Srivastava, R. C. 2938
Srivastava, S. 1029
Srivastava, S. K. 2629
Stack, M. E. 1304
Staden, J. van 306, 330, 746, 1916-1917, 2541, 2831
Stadler, T. 1767
Stalham, M. A. 2450
Stamps, R. H. 2143
Stan, H. J. 786
Stanković, M. 1022
Stanley, D. W. 1282, 2649
Stanley, R. 1257
Stanley-Samuelson, D. W. 2742
Starkman, F. 2390
Starrett, D. A. 311
Staub, J. E. 1630
Stavroulakis, G. 1680, 1684
Stebbins, R. L. 1545
Steele, J. L. 2160, 2165
Steelman, C. D. 2746
Stefanini, L. 1115, 2616
Stefanovīch, L. I. 1615
Steffens, J. C. 122
Steinwandter, H. 792, 1308
Stenning, B. C. 222, 514, 1110
Stepniewski, A. 496, 939-940
Steven, D. 2698
Stevens, P. S. 2698
Stevenson, K. R. 2401
Stewart, R. K. 184
Stieber, T. D. 2447
Stikeleather, L. F. 1046
Stitt, M. 1285, 2684
Stöllman, U. 1236
Stöppler, H. 1185
Storey, R. M. J. 491, 1180
Stoškus, A. 1060
Stow, J. 1896, 2229
Straeten, D. van der 2823
Strass, F. 848
Strehler, A. 2710
Streif, J. 158, 540, 542, 2658
Stromberg, S. 1810
Stroshine, R. L. 443
Struik, P. C. 1177
Štruklec, A. 559
Strydom, G. 306
Stuart, J. J. 635, 2735
Stuart, M. K. 623
Studman, C. J. 66
Stuijvenberg, P. A. van 1487
Su, J. 2250
Su, P. 2531
Su, Z. H. 651
Suárez, A. 112
Subrahmanyam, K. V. 901
Subramanian, V. 1027, 1030
Subramanyam, B. 1809
Subramanyam, B. H. 192
Subrao Jadhav 2114
Sudaryanto, T. 2957
Sudayappa, K. 1801
Suematsu, C. 291, 2356
Sugar, D. 1244, 1250
Suggs, C. W. 476
Sugianto, W. 1374
Sugiura, Y. 1919, 2859
Sugiyama, H. 836
Sugiyama, J. 1557, 2681
Suharto, H. 1756
Suire, C. 319
Sukul, P. 809
Sullivan, G. R. 449
Sumbali, G. 2332
Sumi, A. 1513
Sumner, D. R. 801
Sun, G. C. 1280
Sun, L. 2016
Sun, X. M. 859
Sun, Z. 1005
Sun, Z. H. 39
Sun, Z. R. 2250
Sunagawa, K. 2305
Sundararajan, R. 246
Sundell, H. A. 417
Sunder, R. S. 81
Sunderland, K. D. 1482
Suneel Sharma 2968
Sung, N. K. 163
Sungaben, E. 2036
Surekha, M. 2422
Suresh, E. R. 1959
Suri, S. M. 2301
Susani, B. 1351
Susha, C. 2748
Sutaria, V. 1534
Sutherland, D. C. 942
Sutherland, P. W. 1891
Suttajit, M. 1305
Suwanagul, A. 505
Suwono, A. 2076
Suzuki, T. 826
Švedas, M. 30
Swallow, A. J. 1935
Swaminathan, M. S. 1467, 2480
Swart, A. 615
Swarts, D. H. 180
Sweep, A. 911
Swetnam, L. D. 1532
Sydenham, E. W. 348, 2855
Syed, M. A. 1312
Sytsema-Kalkman, E. C. 338
Szabolcs, J. 2363
Szántay, C. 2762
Szendrő, P. 856
Szöllősi, E. 993
Szot, B. 496-497, 939-940, 1106, 2112
Szurdoki, F. 2762
Tabata, S. 2845
Taczanowski, M. 2680
Tagawa, A. 2007
Tagliavini, M. 1989
Taharazako, S. 430-431, 450, 1497
Taheri, M. S. 242
Tahhan, O. 634
Tahir, S. 1771
Tahtah, W. H. 2419
Tai, G. C. C. 868
Taira, S. 297, 2648
Taiwan, Asian Vegetable Research and Development Center 1212
Tajima, K. 724
Takahashi, K. 1703
Takahashi, M. 1802
Takai, M. 16
Takeda, F. 1851, 2314
Takeuchi, M. 1451, 2341-2342
Takeuchi, S. 988
Takiguchi, M. 651
Talanda, E. 2055
Talasila, P. C. 1191
Talbot, M. T. 355
Talekar, N. S. 1753
Talmann, A. 1394
Talukdar, K. C. 383
Talukder, D. 1748
Talukder, F. A. 659
Tamblyn, C. 395
Tamura, Y. 2845
Tan, F. L. 1056
Tan, J. 466
Tan, N. L. 525
Tan, S. C. 67, 2216
Tan, X. J. 288
Tanaka, K. 1736
Tanaka, M. 133
Tanaka, S. 74, 724, 1570
Tanaka, T. 347
Tanboon-ek, P. 1330-1331
Tandon, D. K. 2794
Tandy, D. C. 421
Tang, J. 2032
Tang, L. Q. 1020
Tang, S. 1556
Tangthirasunant, T. 1320
Taniwaki, M. H. 1344, 1579
Tanksley, S. D. 1909
Tanno, N. 1650
Tansuhaj, P. 918
Tanzubil, P. B. 193
Tao, J. 1173
Tao, Y. 2565
Tao, Y. W. 170
Tapre, A. B. 855
Tarar, J. L. 1237, 2155
Tarushkin, V. 1542
Tashiro, N. 682
Tastanbekov, S. T. 2501
Tastra, I. K. 1386
Taub, I. A. 2701
Tautz, D. 2276
Tayama, J. K. 1977
Taylor, C. R. 1431
Taylor, J. E. 1486
Taylor, M. A. 2203
Taylor, R. W. 642
Taylor, S. 1558
Tebbets, J. C. 2753-2754
Tebbets, J. S. 255-256
Tec, A. B., Jr. 1388-1389
Techasena, O. 2015, 2065
Technique Agricole 2525, 2971
Tedlow, R. S. 1968
Teferi, A. 1430
Teixeira, N. M. 1379, 2884
Tejada, A. W. 839
Temkin-Gorodeiski, N. 1247
Temple, S. J. 2537
Tenbrink, V. L. 667, 1232, 2308
Teng, P. S. 953
Tereshkina, S. D. 2595
Terra, F. M. 1493
Terry, E. R. 1991
Testoni, A. 2322
Teuber K., N. 1603
Tewe, O. O. 1368
Texeira, L. G. 1539
Tey, L. Y. 2847
Thai, C. N. 1293
Thakor, N. J. 2520
Thakur, H. K. 796
Thakur, T. C. 2441
Thalmann, A. 2408
Thamizharasi, V. 1861, 2771
Thanaboripat, D. 2405
Thanassoulopoulos, C. C. 2321
Thangaraj Edward 1759
Thavarasook, C. 2298
Themelin, A. 469
Theologis, A. 1910, 2371
Thepent, V. 25
Thériault, R. 535, 1135, 2119, 2625
Théry, P. 69
Thibaud, L. 2606
Thiel, P. G. 348, 2855
Thier, H. P. 828
Thomas, B. R. 1277
Thomas, M. 1149
Thomas, P. P. 2428
Thomas, R. S. 1630
Thome, B. 2089
Thomopoulos, C. D. 2464
Thompson, A. K. 2663
Thompson, C. J. 572
Thompson, D. B. 1672
Thompson, D. L. 1028
Thompson, J. 1043
Thompson, J. C. 2120
Thompson, J. E. 2671
Thompson, J. F. 1047, 1079, 1556, 2110
Thompson, S. A. 1059, 1090, 2163-2164, 2514
Thon, A. 2236
Thorne, J. E. 643
Thornton, M. K. 2120
Throne, J. E. 190
Thrower, S. J. 1646
Tian, E. D. 2018
Tibaijuka, A. 1437
Tie, Y. L. 412
Tien, B. T. 2555
Tierto Niber, B. 198

Tigar, B. J. 1792
Tijskens, L. M. M. 754, 1148
Tillett, N. D. 2133
Tillmann, M. A. A. 1493, 1538
Timbers, G. 495
Timm, E. J. 1077, 1081
Tishenkov, P. I. 119
Tiwari, V. 678
Tkachenko, M. P. 689
Toba, H. H. 662
Toda, H. 1440
Todoriki, S. 2681-2682
Toerien, J. C. 2131
Togashi, T. 2146
Toit, W. J. du 1042
Toivonen, P. M. A. 1284, 2099
Tokue, C. 961
Toledano, R. 814, 825
Tollner, E. W. 442, 1031, 1552
Tomala, K. 1675
Toman, J. 2765
Tomar, S. S. 1749
Tomaselli, F. 1934
Tomooka, N. 2298
Tonboon-Ek, P. 2862
Tongdee, S. C. 505
Tongzhe 2409
Tonini, G. 1153
Tonno, A. di 2325
Tono, T. 732
Tonogai, Y. 832
Toquero, Z. F. 1418
Torc'h, J. M. le 210
Török, T. 1852
Torreno, H. S. 839
Torres-Montalvo, H. 1030
Toscano, N. C. 812, 831
Tosi, H. R. 2626
Tóth, B. 2739
Tóth-Markus, M. 2102
Toupin, C. J. 551
Touzet, C. 2571
Townsend, J. A. 301
Toyoda, K. 2014
Trajer, J. 1514-1516
Tran Van, A. 1336
Tran Van An 1336
Trapaidze, M. Ya. 564
Tremblay, D. 535, 1135, 2119, 2625
Tremblay, G. F. 535, 1135, 2625
Trenkovski, S. 1612, 2628
Trevisan, M. 1865
Triban, E. 534
Tribelhorn, R. 851
Trichilo, C. L. 781
Trivedi, T. P. 2302
Tronstad, R. 1453
Trotter, B. 1426
Truett, J. K. 1574
Truter, A. B. 145, 156
Trystram, G. 2059
Tsai, C. F. 2929
Tsai, C. K. 1100
Tsai, Y. J. 1342
Tsanava, V. P. 564
Tsang, M. 1525
Tsang, M. M. C. 1844
Tsankova, P. 875
Tsao, C. T. 1492, 2006
Tseng, T. C. 2864
Tsiprush, R. Ya. 2208
Tsubouchi, H. 2874
Tsuchida, H. 44
Tsukano, M. 1441
Tsurusaki, T. 468
Tucić, N. 239
Tucker, G. 318
Tucker, G. A. 300, 1486
Tuite, J. 2601
Tulasidas, T. N. 1004, 2025
Tuncel, N. 2219
Tunka Mahmud, T. Y. 1375
Tupac Yupanqui, A. 2920
Turnbull, N. D. 1178
Turner, A. J. 2379
Turner, C. E. 207
Turner, D. W. 1162
Turner, G. M. 975
Tutek, Z. 1499
Tutimoto, S. 1288
Tuzet, A. 2057
Tuzinkevich, A. V. 2722, 2738
Tweedy, B. G. 949
Twiddy, D. R. 674
Tyksiński, W. 2107
Tyler, P. S. 2271
Tyurev, E. P. 397
Tyuterev, S. L. 689
Tzia, C. 2464
Ubugunov, L. L. 2685
Uchida, K. 118
Uchida, S. 98
Uchimura, T. 117
Uchino, H. 2789
Uchino, T. 2532
Uday Kumar 823
Uddin, M. R. 871
Ueno, M. 1874
Ueno, R. 1775
Ueno, Y. 347, 1919, 2859
Uğur, A. 653
UK, British Crop Protection Council 2978
UK, Campden Food & Drink Research Association 1471
UK, Centre for Rural Building 1984-1985
UK, Euromonitor 1458
UK, Intermediate Technology Development Group 2992
UK, Scottish Agricultural College, Centre for Rural Building 2991
Ukoh, U. U. 1564
Umbarkar, S. P. 549, 855
Umeda, S. 961
Umrigar, P. 2858
Underhill, S. J. R. 2210, 2550, 2657
Unruh, N. C. 2721
Upadhyaya, S. K. 2566
Upchurch, B. L. 1552
Upender, M. 2946
Upfold, S. J. 330, 2831
Uppenkamp, N. 893, 952
Uraih, N. 343
Urban, I. 56, 1271
Urban, J. E. 121
Ursin, V. 2383
Uryupina, T. L. 2208
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Usai, M. 1644
Usall, J. 683
Ushakumary, R. 263
Usturalı, A. 2539
Usui, S. 1557
Uvah, I. I. 2267
Uzo, J. O. 419
Vaamonde, G. 1927
Vail, P. V. 255, 1832, 2753
Vaillant, V. 332, 339, 748, 2394
Valdes, C. 2952
Valdes-Rodriguez, S. 1751
Valk, H. C. P. M. van der 1148
Valverde, E. 1150-1151
Van Alebeek, F. A. N. 2292
Van Alphen, J. J. M. 2309
Van Brunt, J. 316
Van Cutsem, P. 1897
Van de Merbel, N. C. 1921
Van de Voort, F. R. 2023
Van de Waart, A. 2222
Van Delfsen, K. B. 2085
Van Den Heuvel, J. 1838
Van der Straeten, D. 2823
Van der Valk, H. C. P. M. 1148
Van Diepen, S. 73
Van Dijk, A. 511
Van Doorn, W. 57
Van Doorn, W. G. 510, 751-755, 1295, 1720, 2397-2399
Van Ee, G. 1950
Van Ee, G. R. 436
Van Eeden, S. J. 138, 146, 156, 295
Van Eenaeme, C. 2618
Van Es, A. 601
Van Gorsel, R. 1144
Van Hout, M. 1915
Van Huis, A. 1225, 1819
Van Ittersum, M. K. 1177
Van Kooten, O. 57
Van Meeteren, U. 337, 1200
Van Montagu, M. 2823
Van Puyvelde, L. 1789
Van Reenen, H. S. 335
Van S. Graver, J. 1578
Van Santen, C. 1480
Van Schalkwyk, D. J. 348, 2855
Van Staden, J. 306, 330, 746, 1916-1917, 2541, 2831
Van Stuijvenberg, P. A. 1487
Van Wijk, C. 894
Van Wijk, C. A. P. 928
Van Wijk, M. P. 392
Van Wikselaar, P. G. 1118, 1611
Van Zoonen, P. 821, 1928
Van Zweden, J. 1517
Vanacker, J. M. 2615
Vanadia, S. 802
Vandana Tiwari 678
Vandelli, F. 1930
Vandenberg, A. A. 608
Vandergeten, J. P. 178
Vanderpan, S. 2383
Vanderwel, D. 647
Vanetti, M. C. D. 2461
Vanstallen, M. 178
Vargas, A. M. 1167
Vargas, C. H. B. 2261
Vargas, E. 1150
Varghese, Z. 2565
Varis, A. L. 198
Variyar, P. S. 2540
Varma, A. 2764
Varma, G. C. 2714
Varns, J. L. 2134
Varoquaux, P. 1175
Varoquauz, P. J. A. 561
Varshney, S. C. 2252
Vasilakakis, M. 1682, 1684
Vasil'eva, T. I. 269
Vassiliadis, T. 1680
Vaughan, D. H. 453
Vázquez, P. 2740
Vázquez, T. 2736
Vázquez A., M. 1792
Vedvick, T. S. 1906
Vega, A. 2665
Veierskov, B. 304
Veljović, P. 675-676
Vellidis, G. 2515
Vencl, B. 110
Vendin, S. V. 253
Vendrell, M. 1281, 1901, 2347
Venis, M. A. 1139
Venus, J. 1601-1602
Verhoeff, K. 2489
Verma, A. K. 2279
Verma, B. C. 796
Verma, B. R. 262
Verma, J. P. 2764
Verma, L. S. 1098
Verma, R. 2293
Verma, S. C. 2063, 2425
Vermeer, E. B. 1416
Verner, P. 213
Verret, P. 551
Vervaeke, F. 459
Ververidis, P. 2345
Verzera, A. 1396
Vetrimani, R. 2429
Via, S. 632
Vian, B. 2807
Viands, D. R. 122
Vidrih, R. 2696
Vieira, E. H. 1584
Vieira, M. das G. G. 1560
Vielikanov, L. 2574
Vien, P. V. 1378
Vigezzi, P. 2617
Vigneault, C. 1099
Vijay Singh 1766
Vijayalakshmi, S. 1219
Vijayaraghavan, S. 1488
Vilela, E. R. 2521
Villela, F. A. 1538
Villeneuve, F. 423-424
Villiers, E. A. de 1042
Villiers, E. E. de 705
Villiers, O. T. de 296, 709, 715, 2199, 2642
Vinluan, F., Jr. 2036
Viñuela, E. 195, 2718
Viola, R. 150
Vioque, B. 2796
Vir, D. 672
Visai, C. 2091
Visser, C. L. M. de 553
Visvanathan, R. 1952
Vitali, A. de A. 1344
Vitlox, O. 2000
Vitorovic, S. L. 1316
Vlaemynck, G. 2615
Vlahović, M. 358
Vogel, R. 2175-2176, 2612
Vogtmann, H. 1185
Voisine, R. 1659
Vojinovic, V. 1316
Volkmann, R. 1188
Volokitina, M. V. 685
Volosatova, E. G. 691, 693
Volz, R. K. 1147, 1676
Von Arx, R. 1835
Von Keiser, H. 2507
Von Mollendorff, L. J. 296, 709, 715, 2199, 2233, 2642
Von Ofuya, L. T. 2281
Von Oheimb, R. 952
Voogt, W. 1655
Voort, F. R. van de 2023
Voráček, V. 2253
Vorob'ev, B. L. 128
Vorster, L. L. 157, 309, 2131
Voss, D. H. 2547
Vries, P. J. de 146
Vuik, J. 799, 813
Waananen, K. M. 446
Waart, A. van de 2222
Wada, Y. 1205
Waddell, B. C. 313
Wade, N. L. 2216
Wade Brorsen, B. 1966
Wagstaffe, P. J. 2406
Wahundeniya, I. 1230
Wailes, E. J. 888, 2940
Wainwright, H. 2663, 2770
Waldron, K. W. 2655
Walker, D. J. 957
Walker, T. H. 2529
Wall, M. M. 2100
Walsh, B. 942
Walsh, C. 2828
Walter, K. 918
Walter, W. M., Jr. 563, 1695
Walther, K. 2528
Walton, L. R. 1532
Walunj, A. R. 795
Wan, P. J. 421
Wan, X. X. 2187
Wang, B. S. 282
Wang, C. S. 1141
Wang, C. Y. 136, 1632
Wang, C. Z. 1008, 1015-1016, 1109, 2075
Wang, D. C. 859
Wang, D. F. 2506
Wang, D. S. 2859
Wang, H. 2400
Wang, H. Q. 427, 1745
Wang, J. 2062, 2530
Wang, J. D. 1840
Wang, J. L. 1785
Wang, L. 1416, 1950, 2187
Wang, M. 1469

Wang, N. 2058
Wang, P. Z. 2187
Wang, Q. 2088
Wang, Q. G. 1731
Wang, S. L. 608
Wang, S. W. 2144
Wang, S. Y. 1145, 2200
Wang, X. 433, 1005
Wang, Y. A. 427, 434
Wang, Y. M. 2042
Wang, Y. X. 1868
Wang, Z. 2506
Wang, Z. G. 2409
Wang, Z. J. 433, 1020
Wang, Z. Q. 427
Waniska, R. D. 361
Warboys, I. B. 2523
Ware, G. M. 1338, 2858
Wareing, P. W. 674
Waschl, H. 1600
Waskar, D. P. 1878
Wasnik, P. G. 2135
Watanabe, A. 666
Watanabe, J. 144
Watanabe, K. 44, 2318
Watanabe, S. 2648
Watanabe, Y. 64, 451, 1495
Waterman, P. G. 2743
Waters, C. M. 2452
Wathelet, J. P. 2269
Watkins, C. B. 572, 1147, 1253, 1629, 1676, 1685, 1688, 1691, 2355, 2812
Watmough, R. 2304
Watson, C. F. 1273, 2379
Watson, D. 772
Watson, D. G. 2246
Watson, H. 187
Wauthy, J. M. 535, 1135
Waydbrink, E. V. D. 2171
Weaver, D. K. 1789
Weaver, R. D. 819
Weber, B. 2552
Weber, Z. 2338
Weddell, J. R. 1617
Weeks, C. 2692
Wegecsanyi, M. 628
Wegrzyn, T. F. 1894, 2360
Wehner, W. 486, 1881
Wei, C. L. 430-431, 450, 1497
Weigand, S. 634
Weigel, J. C. 2431
Weil, J. H. 319
Weinart, I. A. G. 2240
Weinberg, Z. G. 1599, 2637
Weise, G. 2169
Wekiya, I. 1937
Welch, D. 1950
Weller, C. L. 1032
Wells, J. M. 2324
Wells, J. W. 779
Wells, L. G. 1956
Welsh, G. R. 2828
Weltring, K. M. 1260
Wen, T. C. 2760
Westelaken, C. M. 2034
Westfall, D. W. 2961
Weston, P. A. 1800
Wet, E. de 2677
Whaley, M. G. 449
Whatley, F. R. 290
Wheatley, C. 1403, 2909, 2915, 2919
Whitaker, D. A. 2622
Whitaker, J. R. 840
Whitaker, T. B. 480
White, D. G. 2765
White, N. D. G. 2575
Whiting, D. C. 1838
Whitten, M. J. 185
Whitwell, G. 1968
Whitwell, T. 78
Wicker, L. 594
Widstrom, N. W. 1744, 1754, 1758
Wierzbicki, K. 965-966
Wiese, K. L. 822
Wigand, P. 1083
Wijeratne, E. M. K. 267
Wijk, C. A. P. van 928
Wijk, C. van 894
Wijk, M. P. van 392
Wikselaar, P. G. van 1118, 1611
Wilcke, W. F. 2041
Wilhelm, L. R. 2529
Wilkinson, J. 1351
Willemot, C. 1154, 1659, 1899, 2214, 2671
Williams, C. N. 419
Williams, J. C. 422
Williams, L. S. 49
Williams, P. J. 2104
Williams, R. O. 1183
Williamson, B. 2489, 2804
Willink, E. 648
Willison, J. H. M. 2126
Willmott, J. J. 1065
Wills, R. B. H. 1152, 1353
Willumsen, K. 417
Wilson, C. L. 1258, 1864, 2329, 2333
Wilson, C. W., III 489
Wilson, D. M. 1328
Wilson, I. D. 1905, 2373
Wilson, L. A. 2769
Wilson, L. T. 1997
Wilson, P. W. 2687
Wingard, S. 2048
Winiger, F. A. 1255, 2894
Winkler, J. 1166
Winter, K. A. 537
Wisniewski, M. 2329
Wisniewski, M. E. 1258, 1864
Wit, J. de 1295
Witcombe, G. F. 1970
Witney, B. D. 2585
Witrowa, D. 2069
Witte, Y. de 751
Wittenberg, K. M. 2626
Witters, N. A. 2742
Wolfe, D. W. 2827
Wolfe, R. R. 1051
Wolff, J. 2417
Wolkerstorfer, W. 1946
Wolstenholme, B. N. 308, 729
Woltering, E. J. 331, 402, 755, 1915, 2399, 2402
Wolthuis, R. J. 72
Wong, D. 2920
Wong, L. S. 2672
Wong-urai, A. 1331
Wontner-Smith, T. J. 2265
Woo, S. M. 208-209
Wood, G. E. 2840
Wood, G. M. 2856
Wood, J. F. 1404
Wood, S. G. 2643
Woods, F. M. 1885
Woods, J. L. 970, 1628, 2033, 2044
Woodson, W. R. 769, 2391, 2400, 2834
Woodward, T. W. 2875
Woolfe, J. A. 1992
Woolsey, M. D. 1070
World Grain 1387
Worley, C. T. 1972
Worrell, D. B. 2645
Worrell, M. A. 2048
Woźniak, W. 1494
Wright, B. D. 422
Wright, D. J. 1772
Wright, F. S. 453
Wright, M. G. 2307
Wright, V. F. 1326
Wrigley, C. 942
Wrolstad, R. E. 2893
Wu, C. J. 2555
Wu, C. X. 668
Wu, D. G. 1731
Wu, D. H. 2686
Wu, H. L. 2760
Wu, J. T. 1743
Wu, M. J. 765, 2399
Wu, P. 494
Wu, R. Z. 252
Wu, S. 1433
Wu, S. Y. 39, 479, 2510
Wu, X. L. 883
Wu, Y. M. 1141
Wu, Y. S. 2929
Wu, Y. V. 1034
Wulfsohn, D. 2564
Wustman, R. 1634
Wyss, U. 533, 2176, 2178, 2610
Xang, C. C. 1785
Xavier-Filho, J. 646, 1831
Xia, H. 2082
Xia, J. P. 525
Xiao, B. C. 518
Xiccato, G. 1127, 2627
Xie, Q. Z. 426
Xie, X. Y. 2531
Xing, B. B. 3
Xing, Y. 1924
Xiong, T. Q. 105
Xu, G. Z. 2187
Xu, N. Z. 1014, 2062, 2530
Xu, S. 2148
Xue, G. R. 2532
Yadav, B. G. 2499
Yadav, O. P. 2801
Yadav, S. R. 1996
Yadav, T. D. 1779
Yadava, T. P. 2598
Yaeger, E. C. 1082
Yaffe, O. 506
Yaginuma, T. 651
Yagovkin, P. V. 14
Yaguchi, Y. 2776
Yahia, E. M. 1227
Yakubov, M. 448
Yam, K. L. 2650
Yamada, K. 2159
Yamagishi, K. 1703
Yamagishi, N. 2370
Yamaguchi, S. 2017
Yamaguchi, T. 724
Yamaki, S. 1890
Yamakura, S. 2866
Yamamoto, I. 1736, 1742
Yamamoto, K. 1913, 2874
Yamashita, A. 2866
Yamashita, I. 140
Yamashita, J. 454, 981, 989
Yamashita, R. 2517
Yamashita, Y. 97
Yamaura, H. 1205
Yamazaki, I. 2318
Yamshchikova, V. N. 2204
Yan, Y. L. 1109
Yang, E. S. 1712
Yang, K. K. 1040
Yang, L. Q. 467, 1526
Yang, L. T. 2195
Yang, M. 1080
Yang, Q. 51, 1053, 2563
Yang, R. L. 2095
Yang, S. F. 2374
Yang, S. R. 2945
Yang, S. S. 261
Yang, X. M. 1432
Yang, Z. H. 3
Yang, Z. M. 426
Yang, Z. P. 1951
Yannacopoulos, S. 2520
Yao, Z. 538, 1136
Yaron-Miron, D. 1137
Yasin, M. 677
Yastremski, R. 1679
Yazan, G. 2539
Yazlovetskaya, V. A. 2206
Ye, X. F. 2241
Yeager, J. T. 1165
Yeboah, P. O. 1315
Yera, M. 2553
Yess, N. J. 341-342, 776
Yi, C. J. 2082
Yiljep, Y. D. 1002, 2192
Yilmaz, D. 654
Yilmazoglu, G. 1310
Yim, M. S. 176
Yin, G. T. 2883
Ying, H. D. 17
Ying, K. 1432
Ying, X. 1052
Yokoo, Y. 1913
Yokota, H. 96, 1596
Yokoyama, S. 1448
Yokoyama, V. Y. 2753
Yoneyama, S. 2318
Yong, M. 1433
Yoon, I. W. 1372
Yosef, E. 1618
Yoshida, T. 196, 2728
Yoshida, Y. 735
Yoshioka, H. 2808
Yoshizawa, T. 2866
Young, A. M. 2786
Young, K. B. 2940
Young, N. J. 1793
Young, R. 2401
Younis, M. 1510
Yourstone, K. S. 2827
Yousif, F. 83
Youxian, S. 1348
Yu, C. C. 2509
Yu, F. 2506
Yu, H. 2462
Yu, J. Y. 13, 2043
Yu, J. Z. 2241
Yu, L. 105, 581, 1647, 2250
Yu, L. D. 2193
Yu, S. G. 1197
Yu, S. Z. 2859
Yukish, A. 1850
Žabská, S. 107
Zacarias, L. 765
Zachariah, T. J. 1721
Zachow, B. 2141
Zadernowski, R. 1764
Zafar Jamil 1848
Zagory, D. 504, 617, 2659
Zagurskaya, L. E. 281
Zahradníček, J. 2709
Zakaria, A. K. 1448
Zakhidov, Sh. 448
Zalach, D. 215
Zamet, D. 2693
Zamponi, R. 299
Zamski, E. 2390
Zapata, J. M. 2792
Zapata, S. M. 2822
Zarembinski, T. I. 1910
Zarudzki, R. 1036
Zauberman, G. 727
Zayed, S. M. A. D. 1311, 1317-1318
Zbroszczyk, J. 869-870
Ždárková, E. 2253
Zduńczyk, Z. 1370
Zee, J. A. 162
Zegzouti, H. 2377
Zemledelie 1490
Zen, K. C. 1751
Zeng, X. B. 1199
Zerba, E. N. 1767
Zgórska, K. 1697, 1699
Zha, J. W. 427
Zhang, D. L. 2772
Zhang, F. D. 2018
Zhang, F. L. 368, 2095
Zhang, G. 1528
Zhang, J. 1594, 1785
Zhang, J. N. 466
Zhang, L. H. 548, 2029
Zhang, M. 1008, 1014-1016, 1109, 2075
Zhang, M. I. N. 2126
Zhang, P. 2447
Zhang, Q. 89, 937, 1093, 2148, 2602
Zhang, Q. H. 433
Zhang, Q. X. 1628
Zhang, S. 40
Zhang, S. H. 972
Zhang, W. C. 2531, 2880
Zhang, W. H. 1073
Zhang, Y. X. 2187, 2883
Zhang, Z. X. 2880
Zhao, D. 2187
Zhao, J. W. 2510
Zheltikova, T. M. 2970
Zheng, L. S. 1278
Zheng, W. Y. 2042
Zhong, Y. Y. 1951
Zhou, J. 1731
Zhou, S. T. 581, 1647, 2250
Zhou, Y. J. 525
Zhu, L. F. 324
Zhu, Y. L. 2373
Ziegleder, G. 2569
Ziegler, G. R. 566, 2213

Zieslin, N. 2390, 2835
Zilch, K. T. 421
Zimenka, T. G. 1615
Zimmermann, G. 848
Zimowska, G. 182, 620, 1793
Zinchenko, L. I. 120
Zocca, A. 2457
Zoellner, J. J. 1062
Zoerb, G. C. 1518
Zong, R. J. 582, 2223
Zonta, E. P. 1493
Zoonen, P. van 821, 1928
Zoppello, G. 53
Zorzetto, M. J. 201
Zou, C. 548
Zoz, N. N. 2208, 2353
Zubritskiĭ, V. A. 1706
Žujović, M. 116, 116, 2628, 2628
Zutkhi, Y. 1677, 2646
Zvoutete, P. 240
Zwanepol, S. 896, 928-929
Zwart-Roodzant, M. H. 1634
Zweden, J. van 1517
Żywczok, H. 462
Zyzak, W. 462, 464, 2524

SUBJECT INDEX

Acacia cultriformis, vase life 759
Acanthoscelides obtectus
biochemistry, enzymes 1727
biology
development 239
reproduction 234
chickpeas 239
control, chemical control 648
cowpeas 198
distribution, Argentina 648
grain 2739
irradiation, ultraviolet radiation 2739
parasitoids, *Pteromalus cerealellae* 1209
Phaseolus 234
Phaseolus vulgaris 239, 639, 645, 648, 1217, 1732, 1747, 1789, 1803
pheromones 639
plant extracts
effects 645, 1727, 1732, 1789
toxicity 198
plant oils, effects 654
Acanthoscelides obvelatus
biology, reproduction 234
Phaseolus 234
Acari
grain 248
pears 2451
Acaricide residues
fenazaquin
apples 830
citrus fruits 830
grapes 830
Acaropsellina sollers
prey
Rhyzopertha dominica 1818
Trogoderma granarium 1818
Acarus siro
ecology, environmental factors 2253
grain 248, 1763
grain stores 2257
hay 1763
mills 2257
physiology, nutrition 631
straw 1763
Acarus tyrophagoides
grain stores 2257
mills 2257
Acetyldeoxynivalenols, determination, rice 2427
Acremonium recifei, tomatoes 1873
Acremonium roseolum, *Colocasia antiquorum* 1268
Aegle marmelos, size, assessment 2101
Aflatoxins
contamination
almonds 2872
Brassica campestris 351
coconuts 2872
dates 2872
dried fruit 1333, 2845, 2872
feeds 1334, 2840
figs 353, 2872
fodder 678
foods 343, 1325, 1334, 2840, 2864
reviews 2841
grain 1332-1333, 1337, 2845
Asia, reviews 1339
groundnut butter 349
groundnuts 479, 640, 1329, 1338, 1342, 2415, 2850, 2872
maize 206, 1320, 1326-1327, 1329-1331, 1335-1336, 1338-1339, 2405, 2407, 2859-2860, 2862
nuts 2845, 2872
oilseeds 1333
pistachios 2872
raisins 2872
rice 1336, 2860
sorghum 2422
soyabeans 1927
spices 1333, 2845, 2872
wheat 351, 2412, 2860
determination 1921
cottonseed 2852
Aflatoxins *cont.*
determination *cont.*
foods 1302-1303, 2837, 2839
grain 1322, 2847
groundnuts 1322, 1328, 1342, 2847, 2851, 2861
maize 1323-1324, 2860
rice 2409
wheat 2860
legislation, foods 1333
production
Aspergillus flavus 1299, 1306, 1334, 2860, 2862
Aspergillus parasiticus 1927, 2412
toxicity, bioassays 1919
Africa
agricultural products, marketing 2936
appropriate technology
hulling
Pennisetum glaucum 1354
sorghum 1354
grain, marketing 1435
Agaricus bitorquis
storage
packing 1649
temperature 1649
Agricultural policy, grain 2466
Agricultural products
bruising 2487
crop residues, energy sources 2881
driers
deep bed driers 2
solar energy 1489
drying
desiccants 430-431
energy sources 3
equipment 426
heat pumps 1, 430-431
exports
India 876
Latin America 1420
USA 881, 1417
directories 882
fumigants
methyl bromide 2711
phosphine 2712
grading
algorithms 478
computer vision 1533
spectrophotometry 39
handling machinery 2573
herbicide residues 340
imports, USA 881
marketing
Africa 2936
Central Europe 1419
China 1416
developing countries 380, 2936
Egypt 379
India 2938-2939
Madagascar 2936
Pacific Islands 878-880
USSR 381
mills 2435
mycotoxins, contamination 1305
pesticide residues, monitoring 789
pesticides, legislation, UK 788
postharvest systems 2937
postharvest treatment 2487
processing
economics, conferences 1480
employment 1349
conferences 1480
energy requirements 355
fermentation, reviews 841
income 1349
on-farm processing, Czechoslovakia 842
techniques 2989
sorting
algorithms 478
computer vision 1533
storage
commodity markets, books 422
Agricultural products *cont.*
storage *cont.*
economics 1575
Germany 2572
stored products pests 1983
Canada 1202-1203
Coleoptera 2255
Lepidoptera 2255
rats 2713
Ukraine 1845
thermal properties 1468
transport
development policy 1559
energy conservation 58
Germany 2572
refrigerated transport, Asia 1056
road transport 2938
systems, India 2116
Agriculture, technology transfer, India, books 2495
Agrostis capillaris, hay 461
Agrotis ipsilon, plant extracts, effects 1791
Agrotis segetum, plant extracts, effects 1791
Ahasverus advena, copra 2303
Aleuroglyphus ovatus, ecology, environmental factors 2253
Allergies
grain dust, man 942
storage mites, man 1466, 1978, 2970
Almonds
aflatoxins, contamination 2872
storage decay
Aspergillus ustus 2781
Rhizopus oryzae 2781
Alphitobius, control, fumigation 1231
Alphitobius diaperinus
biology, reproduction 2746
morphology 1723
reproductive organs 2746
Alpinia purpurata
stored products pests
Pentalonia nigronervosa 1232
Sciothrips cardamomi 1232
Alstroemeria
cooling, systems 2588
preservatives 755
Alstroemeria pelegrina, metabolism, chlorophyll 1295
Alternaria
fruits 681
Physalis peruviana 2666
sunflower seeds 670
vegetables 681
Alternaria alternata
aubergines 1262
Capsicum 1262
carrots 1254
fruits 2337
melons 1267
pawpaws 1254
peas 1254
persimmons 1259
Phyllanthus emblica 2332
sweet potatoes 1254
sweet sorghum 2414
tomatoes 2335
Alternaria brassicicola, *Brassica* 1257
Alternaria citri
citrus fruits 1863
lemons 2779
oranges 1644
Alternaria radicina, carrots 704
Alternaria solani, tomatoes 1873, 2335
Amorphophallus rivieri, storage, temperature 1694
Amyelois transitella, walnuts 1832
Anastrepha obliqua
control, heat treatment 663
mangoes 663
Anastrepha suspensa
Averrhoa carambola 259
control, heat treatment 1226, 1837, 1842
grapefruits 1226, 1842
guavas 260

Anastrepha suspensa *cont.*
insecticides, toxicity 259
mangoes 1837
Anigozanthos, physiology 1918
Anigozanthos fuliginosus, physiology 1918
Anigozanthos manglesii
irradiation
gamma radiation 1233
microwave radiation 1233
stored products pests, insect pests 1233
Anigozanthos rufus, preservatives 763
Anisopteromalus calandrae
biology, environmental factors 650
control, *Sitophilus oryzae,* wheat 2745
hosts 2728
Sitophilus oryzae 2745
Sitophilus zeamais 650
Anthocyanins, composition, plants, books 1485
Anthurium, stored products pests, Hemiptera 2308
Apanteles subandinus, control, *Phthorimaea operculella,* potatoes 2304
Apples
acaricide residues, fenazaquin 830
acoustic properties 488, 1049, 2566
aroma 486, 1674
bins, transport 1077
browning 722, 2127-2128
bruising 66, 72, 506, 1073, 1077, 1565-1566, 2126, 2457, 2584, 2586
colour 50, 1688, 2810
reviews 294
composition
amino acids 2209
anthocyanins 289
antioxidants 2208
arsenic 2871
ascorbic acid 1670
calcium 147, 559, 596, 1139, 1147, 1629, 1666, 1670, 1675-1676, 1687, 1900, 2207, 2224, 2697
chlorophyll 1677
enzymes 1138
esters 2552
fatty acids 2200
glycosides 1395
lipids 2200
magnesium 1147, 1687, 2697
nitrogen 596, 1668
organic acids 1677, 2095
pectins 1669
phenolic compounds 2221
potassium 1147, 1629, 1675, 1687, 2224, 2697
sterols 2200
sugars 289, 1037, 1668, 2095
volatile compounds 1674
cracking 152
cultivars
bruising 2586
composition 1037
consumer preferences 1545
processing quality 2689
storage 159, 583
storage life 1654
storage quality 2241-2242, 2678, 2689
damage 1566
driers
convection driers 2062
infrared driers 2062
drying, systems 2529
exports
Brazil 926
Chile 2953
USA 899, 918, 1975
flavour 1545, 2552
fungi, contamination 1344
fungicide residues
captafol 796
dithiocarbamate fungicides 824
mancozeb 817
thiram 821
fungicides
benomyl 1252
carbendazim 1252
streptomycin 1252
tetracycline 1252
grading
acoustics 488

Apples *cont.*
grading *cont.*
automation 2565
image processors 50, 1053
neural networks 2563
growth regulators
ACC 1888, 1901
daminozide 1888
ethephon 2810
ethylene 1888, 1896, 1901
residues 775
handling
damage 66, 152, 506, 1565, 2584
techniques 154
image processors, grading 50
impact, measurement 2584
insecticide residues
azinphos-methyl 804
carbaryl 827
phosmet 804
marketing
Hungary 2959
India 2473-2474
Italy 389
USA 918, 1453
maturity 47-48, 310, 1688, 1901-1902, 2678, 2828
mechanical properties 488, 575, 1041, 1049, 1669-1670, 1678, 2557, 2586, 2670, 2790, 2810
metabolism
alcohols 1678
anthocyanins 294
calcium 2206-2207
nucleic acids 1691
organic acids 1138
pectins 1883
phenolic compounds 2127-2128
polysaccharides 2206, 2808
proteins 1691
starch 2670
moisture content 1552
packing
damage 72, 1566
materials 73, 572
techniques 2959
patulin, contamination 1344
pesticide residues, lead arsenate 2871
physical properties 2205, 2560
processing quality 1670, 2457
quality 48, 1041, 1253, 1552, 1639, 2095
reports, Australia 1470
ripening
biochemistry 1883, 2808
enzymes 2373-2374
gene expression 2373
harvesting date 310
molecular genetics 2374
physiology 295, 2229
storage 295
temperature 289
storage
biochemistry 1138, 1669, 1686-1687, 1691, 2207-2208, 2221, 2673
cold storage 135, 146, 159, 486, 1171, 1639, 1679, 1682, 1686, 1690-1691, 2641, 2670, 2673, 2675
controlled atmosphere storage 143, 146, 159, 280, 295, 486, 573, 581, 583, 589, 660, 1141, 1168, 1171, 1639, 1657, 1661, 1677-1680, 1682-1683, 1686, 1690, 2644, 2702
ethylene 573, 1680
gene expression 1691
heat treatment 147, 1639
hot water treatment 135
humidity 1073, 1661
hypobaric storage 486
Italy 389
modified atmosphere storage 582, 1681-1682
optimization 2959
packing 572
physiology 1661, 1674, 1888, 1896, 2229, 2670
systems 154
temperature 1073
ventilation 1684
storage decay 699, 706, 1668, 2337

Apples *cont.*
storage decay *cont.*
Botrytis cinerea 280, 1171, 2322
Coprinus psychromorbidus 700
integrated control 1263
Nectria galligena 285
Penicillium expansum 280, 683, 1171, 1246
Pezicula alba 287, 1690
Pezicula malicorticis 280, 285, 1171, 1690
Phytophthora cactorum 1253
Phytophthora syringae 1251
Ulocladium chartarum 1252
storage dips
antioxidants 1682-1683
ascorbic acid 1682
calcium chloride 147, 1682, 2206
fungicides 135, 146, 159
storage disorders 287, 486, 552, 583, 590, 1139, 1665
bitter pit 135, 559, 575, 1147, 1171, 1253, 1629, 1668, 1675-1676, 2697
breakdown 135, 572, 1147, 1171, 1253, 1667, 1691
brown core 1171
core flush 572
flesh browning 1679
internal browning 1674
lenticel spot 596
scald 135, 146, 159, 174, 280, 543, 572-573, 1158, 1168, 1171, 1639, 1657, 1667, 1677-1680, 1682-1687, 2227, 2696
skin browning 135
water core 135, 1145, 1552, 1679, 1688, 2200
woolliness 2641
storage quality
altitude 1684
assessment 2551
climate 2209
cultivars 1171, 1654, 2205, 2242, 2678, 2689
environment 2209
fertilizers 1668, 2224
flowering date 135
growth regulators 573, 1666
harvesting date 135, 573, 1667, 1686, 2222
maturity 174, 560, 1682, 1684, 2641, 2675
nutrition 552, 575, 589, 596, 1670, 1675-1676, 1900
organic farming 2196
polyploidy 169
pruning 1665-1666
site factors 2204
solar radiation 1165
thinning 1147
stored products pests
Ctenopeustis obliquana 1838
Cydia pomonella 1838
Epiphyas postvittana 1838
Planotortrix octo 1838
Quadraspidiotus perniciosus 660
stores
energy conservation 1194
ventilation 1194
transport
damage 1077, 1081
road transport 1077, 1081
vibration 1081
Appropriate technology
decorticators, groundnuts 1942
driers
agricultural products 1489
grain, Asia 2027
maize, Thailand 23
rice 1509
Asia 2028
developing countries 995
Korea Republic 978
drying
onions, Mali 1009
rice, developing countries 994
hulling
Pennisetum glaucum, Africa 1354
sorghum, Africa 1354

Appropriate technology *cont.*
milling
grain 1939
Tanzania 853
maize, Ghana 1409
pigeon peas, India 855
mills, rice, developing countries 1389
presses
cassava, Ghana 1409
oil plants, Tanzania 1936
oilseeds, Paraguay 2442
palm kernels, Ghana 1409
processing
coffee, Malaysia 2927
oil plants, developing countries 2992
shellers, cocoa, Malaysia 873
stores, sweet potatoes, Mali 1196
Apricots
aroma 1040, 2102
bruising 2457
composition
arsenic 2871
volatile compounds 1040, 2102
driers, solar energy 1012
marketing, Mediterranean countries 907
pesticide residues, lead arsenate 2871
processing, techniques 907
processing quality 2457, 2896
storage
controlled atmosphere storage 585, 592
wrappings 592
storage disorders 592
storage quality, assessment 164
Arachniodes adiantiformis, handling, techniques 2143
Araecerus fasciculatus
cassava 665
control
chemical control 226
fumigation 1231
copra 2303
maize 226
Arecanuts, reports, India 1472
Argentina, grain, processing 1351
Ascochyta caricae, pawpaws 2776
Ascochyta phaseolorum, *Sechium edule* 1150
Asia
agricultural products, transport, refrigerated transport 1056
appropriate technology
driers
grain 2027
rice 2028
grain, aflatoxins, contamination, reviews 1339
Asparagus
colour 2680
composition
enzymes 2202
lignin 2202
phenolic compounds 2655
polysaccharides 2655
cooling
precooling 1152
systems 1399
cultivars, processing quality 1399
grading
image processors 1549
techniques 1050
growth regulators, ethylene 2202
handling, techniques 895
imports, USA 916
irradiation, gamma radiation 2680
marketing
Germany 1973
Netherlands 895
metabolism, nucleic acids 2579
physical properties 1050
quality 64, 895, 1174, 2680
storage
biochemistry 2202, 2655
cold storage 547, 1174
containers 1663
controlled atmosphere storage 586
cooling 1174
humidity 1663
irradiation 2680
modified atmosphere storage 586
packing 1663
Asparagus *cont.*
storage *cont.*
physiology, reviews 1904
systems 1152
treatment 2202
wounds 2579
Aspergillus
fodder 678
foods 2842
fruits 681
maize 677, 1235, 2765
sunflower seeds 670
sweet sorghum 2414
triticale 2594
vegetables 681
wheat bran 1849
Aspergillus candidus
grain 1236, 1238
maize 1579
wheat bran 1849
Aspergillus chevalieri, cocoa 707
Aspergillus flavus
aflatoxins, production 1299, 1306, 1334
Brassica campestris 351
carrots 1254
cucumbers 2784
Docynia indica 2331
fodder 678
foods 1301
grain 1236, 1238, 2311
groundnuts 1342
maize 206, 1326-1327, 2405, 2846, 2860, 2862
Mucuna pruriens 708
pawpaws 1254
peas 1254
rice 2860
sorghum 2422
sweet potatoes 1254
tomatoes 1873
toxicity, bioassays 1919
wheat 266, 351, 1847
yams 2327
Aspergillus flavus* var. *columnaris, maize 1235
Aspergillus fumigatus, grain 1238
Aspergillus glaucus, grain 1238
Aspergillus luchuensis, *Phyllanthus emblica* 2332
Aspergillus nidulans
sorghum 2422
toxicity, bioassays 1919
Aspergillus nidulans* var. *echinulatus, grain 1238
Aspergillus niger
coffee 2874
cucumbers 2784
Docynia indica 2331
onions 577, 1247, 1861, 2313, 2771
plums 2674
pomegranates 1003
quinces 2785
sorghum 222, 2422
tomatoes 1873
yams 2327
Aspergillus ochraceus
foods 1301
grain 1238, 2311
wheat 350, 1847
Aspergillus parasiticus
foods 1301
toxicity, bioassays 1919
wheat 266, 2412
Aspergillus ustus
Docynia indica 2331
toxicity, bioassays 1919
Aspergillus versicolor
foods 1301
grain 1236, 1238
toxicity, bioassays 1919
Astilbe
vase life 2398
water relations 510, 1720
Atherigona orientalis, onions 2313
Aubergines
cultivars, processing quality 1398
drying
physical properties 1008
thin layer drying 1015
fungicide residues, mancozeb 823
insecticide residues, endosulfan 810
Aubergines *cont.*
processing, techniques 1411
seeds, extraction 1411
storage
cold storage 1157
modified atmosphere storage 582
storage decay
Alternaria alternata 1262
Botrytis cinerea 1262
storage disorders, chilling injury 1157
Australia
cut flowers, physiology, reviews 1918
grain stores, buyers' guides 90
grapes, books 2984
mangoes, postharvest treatment 2479
sorghum, marketing 2472
Vaccinium, exports 1970
wheat, marketing 1968
Averrhoa carambola
colour 2652
flavour 2652
insecticides, methyl bromide 259
maturity 302
postharvest treatment 1067
reports, Australia 1470
ripening, biochemistry, reviews 2819
storage
cold storage 2652
physiology, reviews 1658
wrappings 2652
storage disorders, chilling injury 2652
stored products pests, *Anastrepha suspensa* 259
Avocados
composition
calcium 729
enzymes 307
magnesium 729
phenolic compounds 729
phytoalexins 267
conferences 394
cultivars, storage quality 2693
damage 1042
exports, developing countries 2954
grading
acoustics 1550
spectroscopy 2556
growth regulators, ethylene 2245
imports, Japan 915, 2954
maturity 2556
physical properties 2560
reports, Australia 1470
ripening
enzymes 2375, 2825
gene expression 321, 1905, 2825
growth regulators 311, 2245
harvesting date 729
maturity 308
molecular genetics 1905, 2375
physiology 311
storage 308, 1905, 2245
yields 309
sorting, spectroscopy 2556
storage
cold storage 729, 1843, 1905, 2669
controlled atmosphere storage 156, 585
heat treatment 1843
hot water treatment 1858
modified atmosphere storage 2245
physiology 156
temperature 2131
treatment 2669
storage decay 270, 275, 278, 705, 2496
Dothiorella aromatica 276
Glomerella cingulata 267, 276, 1858-1859
Pseudocercospora purpurea 276
storage dips
fungicides 705, 1843
waxes 705
storage disorders
browning 156, 293, 308
chilling injury 155, 309
grey pulp 155
mesocarp discoloration 729
pulpspot 155, 157
vascular browning 155, 308-309
storage quality
cultivars 2693
yields 309

Avocados *cont.*
stored products pests 2496
Bactrocera tryoni 1843
Ceratitis rosa 1841
Heliothrips haemorrhoidalis 1841
Nezara viridula 1841
Pseudotheraptus wayi 1841
Selenothrips rubrocinctus 1841
transpiration 293
transport
refrigerated transport 2131
sea transport 2131
yearbooks 394
***Bacillus*, potatoes 2338**
Bacillus cereus
control
Glomerella cingulata, mangoes 1862
Pythium aphanidermatum, cucumbers 1860
***Bacillus lichineformis*, control, storage decay, avocados 275**
Bacillus subtilis
control, storage decay, avocados 275, 705
roses 762, 767
***Bacillus thuringiensis* subsp. *aizawai*, resistance, *Plodia interpunctella* 622**
***Bacillus thuringiensis* subsp. *entomocidus*, resistance, *Plodia interpunctella* 622**
***Bacillus thuringiensis* subsp. *kurstaki*, resistance, *Plodia interpunctella* 622**
Bacteria
contamination
carrots 1857
cucumbers 1857
fruits 1702, 1854, 2324
lettuces 1852, 1857
roses 751, 753, 762, 767, 1271
tomatoes 268
vegetables 1702, 1854, 2324
control
Nectria galligena, apples 285
Pezicula malicorticis, apples 285
***Bactris gasipaes*, silage 1621**
Bactrocera aquilonis
control, hot water treatment 1229
mangoes 1229
Bactrocera cucurbitae
control, heat treatment 2305
melons 2305
Bactrocera dorsalis
control
heat treatment 1228
temperature 1836
mangosteens 1228, 1836
Bactrocera tryoni
avocados 1843
control, chilling 1641
lemons 1641
Litchi 2672
***Baeckea behrii*, physiology 1918**
Balers
fodder 1393
roller balers 61
Bales
air flow 1002
drying 2192
large bales 2184
round bales 499, 1002, 2184, 2192, 2625
storage 2638
transport 2577, 2589
wrappings 62
Bamboo shoots
exports, developing countries 2954
imports, Japan 2954
Bananas
aflatoxins, contamination 343
biotechnology 2453
composition
starch 1878
sugars 1878
tannins 1878
damage 1162
driers, convection driers 2067
drying
air drying 2068
kinetics 2067
systems 2074
temperature 2068
exports 917
flavour 2800

Bananas *cont.*
growth regulators, ethylene 2820-2821
handling, damage 2663
imports
Chile 900
Japan 915
irradiation
gamma radiation 306
responses 2216
ultraviolet radiation 2216
marketing, Indonesia 2957
mechanical properties 731
metabolism
organic acids 734
pectins 731
proteins 2347
starch 2800
sugars 734, 2800
tannins 2800, 2821
processing, fermentation 1959
reports, Australia 1470
respiration 1161
ripening
alcohols 2821
assessment 733
biochemistry 731, 734, 1898
enzymes 1281
fuzzy logic 1912, 2387
growth regulators 731, 734, 1281, 2820-2821
irradiation 306
physiology, reviews 1878
proteins 2347
storage 731, 734, 1898, 2663
temperature 2800
storage
additives 2195
biochemistry 1898
cold storage 1163
controlled atmosphere storage 585, 1161
cultivars 1163
enzymes 2195
ethylene 1163
humidity 1162, 2663
irradiation 306
modified atmosphere storage 1163
physiology 288, 1162
temperature 1161, 1163, 1898
storage decay 270, 2337
Fusarium pallidoroseum 282
Gibberella fujikuroi 282
Gibberella fujikuroi var. *subglutinans* 282
Microdochium dimerum 282
storage dips, sucrose esters 130
storage disorders
chilling injury 1163
maturity bronzing 2216
storage quality, maturity 298
***Banksia*, physiology 1918**
Banksia hookeriana
irradiation
gamma radiation 1233
microwave radiation 1233
stored products pests, insect pests 1233
Barley
aflatoxins, determination 2847
bins, pressure 1595
composition
cadmium 1340
lead 1340
cultivars, stored products pests 2729
drying
aeration 970
energy consumption 438
low temperature drying 438
moisture, sorption 2005
moisture content 970
simulation models 443
temperature 1504, 1519
thin layer drying 1499
fumigants, methyl bromide 2154
fungi, contamination 2865
insecticide residues
etrimfos 220
pirimiphos-methyl 220
mechanical properties 939
moisture content, determination 1518
mycotoxins, contamination 2865
nivalenol, contamination 347, 2849, 2863

Barley *cont.*
ochratoxins, contamination 2417
processing, steaming 358
reports, Canada 2482
seed cleaners 5
seed dormancy 2593
seed germination 82
seed treatment 397
silage 1115, 2178, 2635
storage
cold storage 82
containers 82
storage decay
Fusarium 2863
Gibberella 2863
stored products pests 1830
Mexico 1803
Sitophilus oryzae 2729
vomitoxin, contamination 347, 2849, 2863
zearalenone, contamination 347
Beans, transport, systems 384
***Beauveria bassiana*, hosts, *Sitophilus granarius* 1780**
Beetroots
storage
economics 1634
systems 1634
storage decay 687
storage quality, environment 687
***Begonia cheimantha*, pot plants, storage quality 328**
Benincasa hispida
storage, cold storage 2223
storage disorders, chilling injury 2223
***Berberis thunbergii*, pot plants, transport 78**
Bibliographies
coconuts 1994
horticultural crops, storage, modified atmosphere storage 2659
potatoes, India 1996
Bins
air flow, maize 2503
capacity, grain 91
design, grain 2167
drying
maize 2503
rice 455
filling
grain 2607
wheat 1089
heat transfer, grain 2606
pressure, grain 1104, 1595
transport, apples 1077
unloading, grain 1090, 2163
ventilation
grain 2608
wheat 2165
wall pressure 2590
grain 2163, 2602, 2607
wheat 1089
walls
friction, wheat 1093
loads, wheat 1089
Biological control
Alternaria brassicicola, *Brassica* 1257
Alternaria citri, lemons 2779
Alternaria radicina, carrots 704
Botrytis allii, onions 1870
Botrytis cinerea
apples 2322
Brassica 1257
cabbages 2323
kiwifruits 2779
roses 1269
strawberries 2779
Colletotrichum, tropical fruits 2770
Fusarium oxysporum, potatoes 2779
Glomerella cingulata, mangoes 1862
Nectria galligena, apples 285
Penicillium, oranges 1868
Penicillium expansum, apples 683
Pezicula malicorticis, apples 285
Phthorimaea operculella, potatoes 1839, 2304
Plodia interpunctella, raisins 255
Prostephanus truncatus, maize 1223
Pythium aphanidermatum, cucumbers 1860
Sclerotinia sclerotiorum, carrots 704
Sitophilus oryzae, wheat 2745

Biological control *cont.*
storage decay
agricultural products 1234, 2310
apples 706
avocados 275, 705
fruits 1258, 2333
reviews 1864, 2772
sugarbeet 2789
vegetables 1258, 2333
reviews 1864
stored products pests, maize 638
Biotechnology, tropical crops 2453
Black currants
composition, alcohols 158
cultivars, processing quality 870
mechanical properties 1572
storage
cold storage 158, 2228
controlled atmosphere storage 158, 2228
Blackberries
storage
cold storage 2228
controlled atmosphere storage 585, 2228
Blandfordia, physiology 1918
Boehmeria nivea, postharvest treatment 2144
Bolivia, roses, marketing 2964
Books
agricultural products
marketing, Pacific Islands 954
storage, commodity markets 422
agriculture, technology transfer, India 2495
anthocyanins, composition, plants 1485
avocados, pest control 2496
Capsicum 2980
carrots 423-424
cell membranes 955
coconuts, crop residues, India 1487
Colletotrichum 1999
cotton
handling, mechanization 2000
storage, mechanization 2000
cut flowers 1484
handling 2981
vase life 2981
farm buildings, UK 2991
food technology 2989
foods, storage, systems 957
fruits
India 2979
ripening, biochemistry 1486
grain 420
handling, mechanization 2000
storage 1488
mechanization 2000
grapes
Australia 2984
pest control 1997
horticultural crops, genetic engineering, safety 1998
horticulture 1993
irradiation 2491
maize
nutritive value 2988
quality 416
oils
extraction 2992
processing 421, 2992
packing 2494
Pennisetum glaucum 958
pot plants, handling 2982-2983
rice, India 2492
silage
biochemistry 1995
nutritive value 1995
sorghum 2985
soyabeans, quality 416
stores, building construction 2498
strawberries, quality 956
sugarbeet 2986
sweet potatoes 1992
storage decay 2497
storage disorders 2497
technology transfer 2493
vegetables, tropics 418-419, 425
yams, storage 959
Boronia, physiology 1918
Botryodiplodia theobromae
Colocasia antiquorum 1268
mangoes 2336
pawpaws 2776
Botryosphaeria, avocados 278
Botrytis
cherries 2777
conferences 2489
Physalis peruviana 2666
strawberries 1653, 2314
Vaccinium 1173
Botrytis allii, onions 1870
Botrytis cinerea
apples 280, 706, 1171, 2322
aubergines 1262
Brassica 1257
cabbages 2323
Capsicum 1262
Gloriosa rothschildiana 1574
grapes 679, 1248, 2320, 2775
kiwifruits 287, 574, 1266, 1867, 2321, 2778-2779
onions 1247
pears 1261
raspberries 1851, 1903
roses 1269, 1876
Ruscus hypoglossum 1270, 1875
strawberries 1866, 2194, 2779
sugarbeet 2789
sunflower seeds 670
Botswana
food supply 877
sorghum, marketing 2941
Bougainvillea glabra, senescence 327
Bouvardia
vase life 2398
water relations 510, 1720
Bracon hebetor
biochemistry, immunoglobins 623
hosts, *Corcyra cephalonica* 1796
Brassica
storage decay
Alternaria brassicicola 1257
Botrytis cinerea 1257
Brassica campestris
aflatoxins, contamination 351
storage, containers 351
Brazil
apples, exports 926
tobacco, marketing 2962
Brazil nuts, aflatoxins, contamination 2845
Breadfruits
storage
temperature 2645
wrappings 2645
Broccoli
composition, nitrates 802
image processors, maturity 1554
insecticide residues 800
metabolism
ascorbic acid 1673, 2099
chlorophyll 304, 1673
proteins 304
quality 64
assessment 2099
senescence 304
storage
cold storage 67, 2214
controlled atmosphere storage 304, 586, 2214
cooling 1076
modified atmosphere storage 67, 504, 582, 586, 1673
packing 67
physiology 2099, 2214
storage decay 67
Bromus catharticus, silage 104
Bromus inermis
hay 461, 1605
silage 111, 1605
Bruchidius atrolineatus
cowpeas 1819
parasitoids, *Uscana lariophaga* 1819
reproduction, physiology 1208
Bruchidius incarnatus, faba beans 214
Bruchophagus mellipes, Sesbania aculeata 262
Bruchus rufimanus, faba beans 2296
Brussels sprouts
handling, damage 2226
reports, UK 1471
Brussels sprouts *cont.*
respiration 551
storage
controlled atmosphere storage 586
modified atmosphere storage 586
physiology 551
storage quality, assessment 2226
Buckwheat
composition
phenolic compounds 1764
tannins 1764
drying
dehumidification 1497
desiccants 431
heat pumps 431, 1497
moisture content 450
temperature 450
moisture content, determination 2007
seed cleaners 966, 2501
weeds, seeds, contamination 2501
Bulgaria, grain, exports 886
Cabbages
composition
glucosinolates 163
nitrates 2107
nitrites 2107
cultivars, storage quality 175
insecticide residues 800
storage
biochemistry 163
cold storage 1146
controlled atmosphere storage 586
modified atmosphere storage 586, 1172, 2132
packing 1172, 2132
systems 558
storage decay 684-685, 687
Botrytis cinerea 2323
Erwinia carotovora subsp. *atroseptica* 696
storage quality
environment 687
fertilizers 1146
harvesting date 1146
Cadra calidella, biology, development 1809
Cadra cautella
biology
behaviour 1728, 2744
development 1809
diapause 1726
control, chemical control 1787
copra 2303
diets 2744
groundnuts 1827, 2744
insecticides
effects 1726
methoprene 1786
parasitoids, *Venturia canescens* 184
Pennisetum americanum 2294
pheromones 1728
plant extracts, effects 1791
rice 1787
wheat 633
Cadra figulilella, biology, development 1809
Calcium
composition
apples 559, 596, 1147, 1629, 1666, 1670, 1676, 2207, 2224, 2697
avocados 729
mangoes 1887
peaches 2816
pears 1244
determination, apples 1139
metabolism, apples 2206-2207
nutrition
apples 575, 589
mushrooms 2213
Ruscus hypoglossum 1270
physiology, apples 1900
ripening
apples 2229
mangoes 2794
nectarines 2812
storage
mangoes 2794
potatoes 1693
toxicity, apples 1670
treatment
apples 147, 1669-1670
carrots 550
mangoes 1155, 1887

Calcium chloride, treatment, apples 2206
Calcium nitrate, treatment, *Litchi* 2197
Callosobruchus
chickpeas 634
control, plant oils 634
cowpeas 637
Callosobruchus analis
grain legumes 2287
parasitoids, *Pteromalus cerealellae* 1209
physiology, digestive system 1782
plant extracts
effects 645
toxicity 244
Vigna radiata 244
Callosobruchus chinensis
biology 250
behaviour 2273
development 196
chemosterilants, effects 2262
chickpeas 229, 634
control 250
chemical control 233
physical control 247, 1213
plant oils 634
cowpeas 193
Dunbaria villosa 196
grain legumes 250
lentils 1213, 1774
microwave radiation, effects 2278
parasitoids 2728
Dinarmus basalis 1774, 2277
Pteromalus cerealellae 1209
Phaseolus vulgaris 1736, 1742, 1757
physiology, digestive system 1782
pigeon peas 200, 233, 247, 1812, 2749
plant extracts
effects 193, 645, 1736, 1742, 1812
toxicity 2723
plant oils, effects 189, 200, 1729, 1777, 1812
rice 2728
Vigna angularis 196, 2273, 2277, 2728
Vigna mungo 626, 1211, 1213, 1753, 1825
Vigna radiata 1210-1212, 1753, 1777, 1825, 2298
Vigna radiata × *Vigna sublobata* 1210
Callosobruchus maculatus
biochemistry, enzymes 646
biology 657, 1221
behaviour 2287, 2726
environmental factors 197, 242, 1779
oviposition 1765
chickpeas 1759
control
chemical control 2268, 2291
plant extracts 2731
plant oils 2268
controlled atmospheres, effects 2281
cowpeas 636, 646, 1733, 1760, 1819, 2266-2269, 2281, 2290-2292, 2731
evolution 1752
gamma radiation, effects 2283
grain legumes 1765
groundnuts 658
insect growth regulators, effects 1829
parasitoids 1225, 1781
Dinarmus basalis 2292-2293
Eupelmus vuilleti 2292
Pteromalus cerealellae 1209
Uscana lariophaga 1819
Phaseolus vulgaris 1736, 1741
plant extracts
effects 645, 1221, 1736, 1831, 2266, 2290, 2752
repellents 636
toxicity 2269
plant oils
effects 2267
toxicity 657
Vigna mungo 1211, 1825
Vigna radiata 235, 1211, 1779, 1825, 2298, 2726
Callosobruchus rhodesianus, parasitoids, *Pteromalus cerealellae* 1209
Caloglyphus berlesei, ecology, environmental factors 2253
Calvolia romanovae
grain stores 2257
mills 2257
Campanula carpatica
growth regulators
ethylene 1719
salicylic acid 1719
pot plants, storage life 329, 1719
storage, additives 1719
Campylobacter coli, contamination, vegetables 1933
Campylobacter jejuni, contamination, vegetables 1933
Campylobacter lari, contamination, vegetables 1933
Canada
agricultural products, stored products pests 1202-1203
grain, transport, subsidies 387
grapefruits, imports 908, 924
onions, imports 923
oranges, imports 925
wheat
exports 2945
quality, standards 382
Canavalia
drying
thin layer drying 1016, 2075
vacuum drying 1016
storage, systems 1109
Candida guilliermondii, citrus fruits 283
Candida stellata, citrus fruits 283
Capsicum
aflatoxins, contamination 343, 2845
books 2980
composition
ascorbic acid 2769
nitrates 2107
nitrites 2107
cultivars, ripening 744-745
drying
fluidized bed drying 1013
pretreatment 1013
solar drying 1013
grading
image processors 1051
neural networks 2109
handling, damage 2769
insecticide residues
chlorpyrifos 786
parathion 786
irradiation, gamma radiation 604
metabolism, carotenoids 2363
postharvest losses, Trinidad and Tobago 2769
quality 2369
ripening
biochemistry 317, 2363
cultivars 317, 744-745
gene expression 319
sorting, image processors 1051
storage
cold storage 1157
controlled atmosphere storage 586
irradiation 604
modified atmosphere storage 582, 586
temperature 2218
storage decay 604
Alternaria alternata 1262
Botrytis cinerea 1262
Erwinia carotovora 2218
storage disorders, chilling injury 1157, 2769
Capsicum anuum, processing quality 1949
Caraway, reviews 403
Carbon dioxide
determination, apples 143
toxicity, apples 1677
Cardamoms, postharvest treatment, reviews 1957
Caribbean
mangoes, exports 388
postharvest systems, rural areas 2937
Carnations
cooling, systems 2588
cultivars, senescence 2391
growth regulators
benzyladenine 2831
ethylene 2391, 2399-2402
marketing, world markets 935
preservatives 336, 755, 2396
quality 56
Carnations *cont.*
senescence 330-331, 746, 765, 1296, 1913, 1915-1917, 2391, 2396, 2399-2402, 2834
storage, cold storage 336
vase life 330, 336, 765, 2833
Carpoglyphus lactis, ecology, environmental factors 2253
Carpophilus
control, chemical control 226, 1787
maize 226
rice 1787
Carpophilus dimidiatus, cassava 665
Carpophilus obsoletus, onions 2313
Carrots
bacteria, contamination 1857
books 423-424
bruising 2136
composition
nitrates 2107
nitrites 2107
cooling, responses 279
driers, conveyor driers 2059
drying
convection 2069
heat transfer 2069
kinetics 2059
mass transfer 2069
simulation models 2059
thin layer drying 1016, 2065
vacuum drying 1016
grading, image processors 52
handling, damage 2136
mechanical properties 2111-2112
quality 1546, 2103
storage
controlled atmosphere storage 691
farm storage 1645
storage decay 684-685, 687, 691
Alternaria alternata 1254
Alternaria radicina 704
Aspergillus flavus 1254
Fusarium equiseti 1254
Fusarium solani 1871
Gibberella avenacea 1871
Glomerella cingulata 1254
Rhizopus oryzae 1254
Sclerotinia sclerotiorum 279, 704
Thielaviopsis basicola 2317
storage dips, calcium 550
storage quality
assessment 1188, 2111-2112
environment 687
Caryedon serratus, groundnuts 2725
Cashews
mechanical properties 2456
processing, techniques 1410
reports, India 943
shellers 1410, 2456
Cassava
biotechnology 2453
composition
ascorbic acid 2534
cyanides 867
toxic substances 1368, 2534
crop residues, utilization 2933
drying
heat pumps 2076
nutritive value 2534
systems 2064
marketing, developing countries 1418
moisture content, determination 1527
processing
chopping 1952
cultivars 1948
economics 1375-1376, 1418, 2914, 2918
employment 1375-1376
equipment 1409
ergonomics 2922
female labour 2922
fermentation 2453
research 1982
techniques 1403, 2891, 2897-2898, 2900, 2902-2903, 2905, 2908, 2910, 2917
reviews 1368
Uganda 1947
technology transfer 2921
processing quality 1948
silage 102, 1405

Cassava *cont.*
stored products pests 665
Prostephanus truncatus 649, 1218
Cassava meal, quality 1404
Cathartus quadricollus
control, chemical control 226
maize 226
Cauliflowers
composition
nitrates 802, 2107
nitrites 2107
irradiation, gamma radiation 1659
reports, UK 1471
storage
controlled atmosphere storage 586, 1659
irradiation 1659
modified atmosphere storage 582, 586
physiology 1659
storage decay, *Peronospora parasitica* 1264
Caustus blakei, physiology 1918
Celeriac
composition
nitrates 2107
nitrites 2107
cultivars, storage 1186
storage
controlled atmosphere storage 586
modified atmosphere storage 586
Celery
composition
nitrates 802, 2107
nitrites 2107
storage
controlled atmosphere storage 586
modified atmosphere storage 586
storage decay 1245
Central African Republic, sorghum, storage 241
Central Europe, agricultural products, marketing 1419
Cephalonomia waterstoni, hosts, *Cryptolestes ferrugineus* 1801
Ceratitis capitata
Anigozanthos manglesii 1233
Banksia hookeriana 1233
Chamelaucium uncinatum 1233
control, chilling 1641
lemons 1641
Ceratitis rosa, avocados 1841
Ceratocystis paradoxa, pineapples 272-274, 2768
Cereals
storage
cooling 2604
drying 2604
ventilation 2604
storage decay 2601
Chaetomium, fodder 678
Chamelaucium uncinatum
irradiation
gamma radiation 1233
microwave radiation 1233
physiology 1918
stored products pests, insect pests 1233
Chamomilla recutita
composition, flavonoids 619
drying, systems 2083
sorters 2083
storage, drying 619
Cherimoyas
browning 2805
imports, Japan 915
ripening
biochemistry 2805
physiology 2803
storage
cold storage 1167
physiology, reviews 1282
storage disorders, chilling injury 1167
Cherries
aroma 1039
composition
anthocyanins 555
volatile compounds 1039
fumigants, methyl bromide 662
insecticides, methyl bromide 313
processing quality 860
Cherries *cont.*
ripening
biochemistry 555
growth regulators 860
storage
controlled atmosphere storage 585, 2644, 2777
modified atmosphere storage 503
packing 503
storage decay
Botrytis 2777
Geotrichum candidum 2780
Monilinia fructicola 2777
Mucor 2777
Paecilomyces variotii 2780
Penicillium 2777
Penicillium expansum 1246
Rhizopus oryzae 2780
Verticillium lateritium 2780
storage quality
breeding 2695
cultivars 555
maturity 555
stored products pests, *Cydia pomonella* 313, 662
transport
damage 1079
refrigerated transport 1079
Cheyletidae, grain 248
Cheyletus
grain stores 2257
mills 2257
Cheyletus eruditus
ecology, environmental factors 2253
grain 1763
hay 1763
straw 1763
Cheyletus malaccensis
prey
Rhyzopertha dominica 1818
Trogoderma granarium 1818
Chickpeas
composition
fats 1107
fibre 1107
proteins 1107
cultivars, stored products pests 229, 1759
hulling 356
storage, containers 1105, 1107
stored products pests
Acanthoscelides obtectus 239
Callosobruchus 634
Callosobruchus chinensis 229
Callosobruchus maculatus 1759, 2287
Chicory
grading, techniques 894
handling, damage 2225
marketing, Netherlands 894
packing, techniques 894
quality 894
storage
cold storage 571, 1714
controlled atmosphere storage 586
modified atmosphere storage 571, 586
storage quality, maturity 2225
stores, temperature 1714
Chile
bananas, imports 900
fruits, exports 914, 2953
Chilling injury
aubergines 1157
Averrhoa carambola 2652
avocados 155, 309
bananas 1163
Benincasa hispida 2223
Capsicum 1157, 2769
cherimoyas 1167
citrus fruits 680
cucumbers 1159, 2651
Cucurbita pepo 136
Eugenia dysenterica 1656
fruits, expert systems 2246
Gloriosa rothschildiana 1574
grapefruits 1660
lemons 1641
Luffa acutangula 2223
mangoes 1155, 2654
Momordica charantia 2223
nectarines, reviews 2199
okras 1170
Chilling injury *cont.*
oranges 1644
peaches 1144
reviews 2199
Sechium edule 1151
sugarbeet 612
tomatoes 1157, 1632, 2649, 2671
vegetables 588
expert systems 2246
Vigna unguiculata subsp. *sesquipedalis* 2223
China
agricultural products, marketing 1416
grain
drying
installations 433
research 18
marketing 1432-1434, 1969
postharvest treatment
mechanization 1469
optimization 941
vegetables, marketing 1439
Chinese cabbages
composition, glucosinolates 163
storage
biochemistry 163
controlled atmosphere storage 586
modified atmosphere storage 582, 586
systems 1633
Chirodica
Protea laurifolia 2307
Protea neriifolia 2307
Chives
composition
nitrates 2107
nitrites 2107
Chloris gayana, silage 98
Choppers
silage 501
straw 2118, 2441
Chrysanthemums
cooling, systems 2588
growth regulators
ACC 2388
ethylene 2388
metabolism, sugars 2250
preservatives 756, 2250
senescence 1914
storage
enzymes 2250
treatment 2250
vase life 754, 756, 1914, 2388
water relations 1200, 1914
Cicer arietinum, stored products pests, *Corcyra cephalonica* 1220
Cinnamomum aromaticum, postharvest treatment, reviews 1957
Cinnamon, postharvest treatment, reviews 1957
Citrullus colocynthis, seeds, processing 1400
Citrus fruits
acaricide residues, fenazaquin 830
exports
Greece 927
Mediterranean countries 1445
Morocco 904
Turkey 927
USA 910, 1975
fungicide residues
biphenyl 820
captafol 826
2-phenylphenol 820
thiabendazole 820
graders 2555
grading, techniques 1064
imports, European Communities 898
insecticide residues, methomyl 1934
marketing, USA 909
quality 54
reports, Australia 1470
ripening, growth regulators 297
sorters 2555
sorting, automation 54
storage
heat treatment 680, 2325
modified atmosphere storage 582
physiology 288
wrappings 680
storage decay 270, 283
Alternaria citri 1863

Citrus fruits *cont.*
storage decay *cont.*
Diaporthe citri 1863
Geotrichum candidum 1863
Penicillium digitatum 1863
Penicillium italicum 1863
Penicillium ulaiense 2330
storage dips, sucrose esters 130
storage disorders 287
chilling injury 680
Citrus iyo
colour 144
composition
alcohols 134
sugars 134
storage
cold storage 134
temperature 134
treatment 144
wrappings 134
storage dips, waxes 134
Citrus junos
composition, aldehydes 724
maturity 724
Citrus latifolia, reports, India 2972-2973
Citrus sphaerocarpa, storage, cold storage 548
Cladosporium
fruits 681
maize 677
Physalis peruviana 2666
rice 672
vegetables 681
Cladosporium herbarum
pineapples 274
rice 672
sunflower seeds 670
Cladosporium oxysporum
cucumbers 2784
quinces 2785
Cleaners
cotton 1017, 2536
onions 1011
root crops 473
sugarbeet 2077
vegetables 1569
Cleaning
costs, sorghum 1424
economics
maize 2035
wheat 385
efficiency, seeds 429
optimization, cotton 2535
techniques
grain 21
maize 972
wheat 2504
Clianthus formosus, physiology 1918
Clostridium, potatoes 2338
Clostridium botulinum, tomatoes 836
Coccus viridis
control, chemical control 2308
cut flowers 1232, 2308
Cochliobolus lunatus, rice 672
Cochliobolus spicifer, kiwifruits 2326
Cocoa
composition
amino acids 374
organic acids 2925
proteins 374
terpenoids 2569
crop residues
fertilizers 1961
processing 1961
utilization 2933
drying
heat transfer 2078
mass transfer 2078
solar drying 1019, 1414, 2079
temperature 1414
flavour 2569
fumigants, methyl bromide 1231
hulling 2926
insecticide residues, methyl bromide 1231
marketing
Ghana 1459
Malaysia 1460
Pacific Islands 880, 932
books 954

Cocoa *cont.*
processing
fermentation 374, 1414, 1953, 2461
roasting 873
techniques 1415
processing quality 2925
reports, India 1472
shellers 873
storage, systems 1415
storage decay
Aspergillus chevalieri 707
Penicillium steckii 707
stored products pests
Alphitobius 1231
Araecerus fasciculatus 1231
Corcyra cephalonica 1231
Lasioderma serricorne 1231
Oryzaephilus mercator 1231
Tribolium castaneum 1231
Coconuts
aflatoxins, contamination 2872
bibliographies 1994
browning 505
crop residues, books, India 1487
driers, fluidized beds 2066
exports 917
imports, Japan 915
marketing 1994
India 1457
maturity 505
mechanical properties 505
moisture content 2449
oils, extraction 2449
processing
equipment 1994
techniques 1994
reports, India 1472
storage dips, sodium metabisulfite 505
Codiaeum variegatum
pot plants
quality 57
storage 512
Coffee
composition
nicotinic acid 1954
tannins 874
crop residues
composition 874
utilization 2933
exports 917
India 934
fungi, contamination 2874
marketing
India 933
Pacific Islands, books 954
ochratoxins, contamination 2874
processing
composition 874
equipment 2927
roasting 1954-1955
sorting, techniques 2874
Coix, aflatoxins, contamination 2845
Cold, responses, ornamental plants 396
Coleoptera
agricultural products 2255
distribution, India 212
grain 2289
insecticides 2255
monitoring, traps 2289
sorghum 241
Colletotrichum
avocados 278
books 1999
Sechium edule 1150
Vaccinium 1173
Colletotrichum coccodes, potatoes 2343
Colocasia antiquorum
storage decay
Acremonium roseolum 1268
Botryodiplodia theobromae 1268
Colocasia esculenta
postharvest treatment 2139
storage, systems 161
storage decay 161
Colombia
cassava, processing 2905, 2918
potatoes, processing 2904, 2911
rice, marketing 1964
Colour, roses 2392
Computer software, drying, installations, grain 433

Computers
drying
automatic control, tobacco 1022
energy consumption, grain 438
quality controls 54
fruits 1045
vegetables 1045
stores, environmental control 2700
Conferences
Agricultural engineering and rural development 18, 21, 368, 400, 426-427, 432-434, 439, 444, 459, 466-468, 470, 478-479, 488, 496-497, 514-515, 518, 525, 547-548, 844, 859, 873, 939-941
Agricultural restructuring in Southern Africa 1965
American Chemical Society 774-783, 949, 1214, 1310-1319
American Society for Horticultural Science 1987
Apricot culture 164
ASEAN technical seminar on grain postharvest technology 1578
Asian regional co-operative project on food irradiation 604-606, 951
Australasian Postharvest Conference 66-67, 300-304, 411
Australian Applied Entomological Research Conference 2987
Australian sorghum conference 2174, 2433, 2472, 2717
Barbados Society of Technologists in Agriculture 257, 2645
Biology and chemistry of active natural substances 619
Biotechnology 2359
Botanical pesticides in integrated pest management 1811-1813
Bound pesticide residues in grain 1214, 1310-1319
Brighton Crop Protection Conference, Pests and Diseases 641-642, 830, 1768, 2978
British Grassland Society 1622-1623
Cellular and molecular aspects of the plant hormone ethylene 2316, 2370-2385, 2399-2402, 2488
CGPRT crop-based small-scale processing industries 1348-1349, 1374-1378, 1408, 1418, 1480
Chemistry and fate of modern pesticides 2419
Chickpeas in the nineties 634
CHISA '90 2059-2061
CIOSTA-CIGR V 2922
Conserving and storing cereals 891-893, 952, 2507-2508, 2604
Control of fresh fruit quality 1866
Cowpea genetic resources 1760
Current issues with food preservatives 2412
Drying '92 2001, 2009-2021, 2023-2025, 2027, 2051-2052, 2058, 2065-2075, 2078, 2084-2088, 2490, 2502
Ecdysone Workshop 1793
Economic and applied aspects of invertebrate reproduction 2734
Evaluating economic effects of generic promotion programs for agricultural exports 909-910
Extension strategies for the control of the larger grain borer 2977
Food chemistry 1396
Genetics and breeding on capsicum and eggplant 1949, 2369
Geography and rural development 2938
German Society for General and Applied Entomology 238
Horticultural exploitation of recent biological developments 2662, 2770, 2975
Horticultural substrates and their analysis 1655
Hortifroid 56, 331-339, 396, 402, 414, 509-510, 512-513, 614-616, 749-762, 1272
Innovative technology in the field of orchard fruit growing 287
Institutt for Hagebruk 417

Conferences *cont.*
Integrated pest management in tropical and subtropical cropping systems 948, 1204, 1217, 1222-1225, 1729
International agricultural engineering conference 981, 983-985, 987-989, 1013-1016, 1020, 1105-1110, 1197, 1383, 1386, 1388-1390, 1410, 1469
International agricultural engineering conference and exhibition 1056, 1161, 1352
International agricultural mechanization conference 2002, 2036, 2040, 2042-2043, 2046, 2076, 2079, 2082, 2144, 2247, 2441, 2499, 2504, 2510, 2583, 2633, 2881, 2883, 2934
International asparagus symposium 1663
International Association of Agricultural Economists 1430
International *Botrytis* symposium 2321-2323, 2489
International colloquium on invertebrate pathology and microbial control 1738
International Conference on Plant Protection in the Tropics 1221, 1229, 1231
International conference on tropical entomology 1750
International congress of essential oils, fragrances and flavours 1746
International congress of pesticide chemistry (IUPAC) 787
International Congress on Invertebrate Reproduction 2734
International congress on plastics in agriculture 2187-2188, 2244-2245
International controlled atmosphere research conference 503-504, 570-571, 576-586, 617, 680, 725, 728
International drying symposium 2001, 2009-2021, 2023-2025, 2027, 2051-2052, 2058-2061, 2065-2075, 2078, 2084-2088, 2490, 2502
International Flavor Conference 2976
International horticultural congress 1655
International Organization for Biological Control of Noxious Animals and Plants 950
International symposium on CO_2 in protected cultivation 2389
International Symposium on Crop Protection 821, 2289-2291, 2309
International symposium on current issues with food preservatives 2145
International symposium on kiwifruit 2091
International symposium on medicinal and aromatic plants 2115
International symposium on postharvest physiology of ornamental plants 56, 331-339, 396, 402, 414, 509-510, 512-513, 614-616, 749-762, 1272
International symposium on pre- and postharvest physiology of pome-fruit 1565, 1664-1670, 1674-1691, 1718, 1896-1897, 1900-1902, 1990
International symposium on tropical agriculture research 938
International workshop on maize and soybean quality 416
International workshop on sensors in horticulture 50, 399
International workshop on traditional marketing systems 2936
Liquid fuels from renewable resources 2887, 2935
Massachusetts Fruit Growers' Association 2227
Meeting on pig research in France 520
Molecular biology of plant development 741
Mycotoxin prevention and control in foodgrains 1300-1305, 1320-1339, 1479
National Academy of Science and Technology 2660
National symposium on growth and differentiation in plants 2211
New directions in biological control 1735

Conferences *cont.*
New targets for insect management in crop protection 1786
New Zealand plant protection conference 2698, 2777
Non-chemical approaches to crop protection in horticulture 1257-1259, 1482
Norsk Gartnerforbund 417
Norsk Institutt for Naeringsmiddelforskning 417
Nutritional and toxicological consequences of food processing 1935, 1954
Pacific Rim agriculture: opportunities, competitiveness and reforms 2960
Pesticide residues and food safety 774-783, 949
Pesticide residues in food 1481
Plant gene transfer 315
Plant protection in the tropics 953
Plum cultivation 1989
Proceedings of the 4th international conference on aerobiology 1848
Production and protection of potatoes 2243, 2339-2340
Production of vegetables in the tropics and sub-tropics 410, 938
Production, post-harvest technology and utilization of potato in the warm tropics 415, 598-599, 603, 861-865
Recent advances in grassland production and management 100
Reports on cherry breeding and cultivation 2695
Root crops and the African food crisis 1991
Scientific Association of Animal Production 2627
Selection and improvement of horticultural plants 744-745
Selection of machinery sets and their rational management on the prospective family farms 2573, 2587
Society of Chemical Industry Pesticides Group 788-789
South African Avocado Growers' Association 155-157, 308-309, 394, 2131
South African maize breeding symposium 1754
South African Sugar Technologists' Association 1717
Southeastern Pecan Growers Association 1988
State Horticultural Association of Pennsylvania 47, 152-154, 413, 502, 947, 1263
Statens Fagtjeneste for Landbruket 417
Straw -a valuable raw material 2117-2118, 2190
Sustainable agricultural development, the role of international cooperation 1430
Swedish crop protection conference 352
Symposium on management, quality and postharvest physiology of fruits 2665-2669
Technical innovations in freezing and refrigeration of fruits and vegetables 1065-1066, 1153-1160, 1397-1398, 1477, 1563, 1631, 2580-2582, 2699-2703, 2716
Technology blending and agrarian prosperity 2764
The strawberry into the 21st century 1476, 2194, 2314, 2344
Timing of field production of vegetables 1633-1634
Towards greater advancement of the sago industry in the '90s 412
Trends in agricultural engineering 1022, 1087-1088, 1096-1097, 1134, 1189, 1483, 1519, 1523-1524, 1572, 2089, 2423, 2574, 2586, 2640, 2790, 2888-2889
Trichogramma and other egg parasitoids 228
Tropical fruit in international trade 270-274, 353, 388, 390, 487, 900-901, 915-917
Turkish National Congress of Biological Control 2288

Conferences *cont.*
Turkish National Congress of Entomology 653-654
United States-Israel BARD Workshop 1786
Utilization of sorghum and millets 1027, 1353-1363, 1478
Coolers, models, grain 2162
Cooling
aeration
grain 2507
rice 2605
economics
peaches 1563
strawberries 1075
energy consumption, potatoes 2248
heat transfer
fruits 1570
mushrooms 1628
peaches 1074
vegetables 1570
mass transfer, mushrooms 1628
precooling
asparagus 1152
fruits 1075, 1570
globe artichokes 2578
mushrooms 1628
pummelos 74
vegetables 1075-1076, 1570
responses
asparagus 1174
carrots 279
Sechium edule 1150
strawberries 1653
systems
asparagus 1399
cut flowers 2588
fruits 1571
globe artichokes 1652
horticultural crops, Europe 1065
vegetables 1571
Copidosoma koehleri, control, *Phthorimaea operculella,* potatoes 2304
Copra
drying, thin layer drying 2071
marketing
Pacific Islands 932, 936
books 954
processing quality 2071
stored products pests 2303
Coprinus cinereus, cotton 2786
Coprinus psychromorbidus, apples 700
Corcyra cephalonica
biology
behaviour 1784
development 1809
environmental factors 243, 1815, 2720
control
chemical control 1787
fumigation 1231
gamma radiation, effects 1821, 2254
groundnuts 1827
insect growth regulators, effects 1219, 2279
insecticides, toxicity 1799
microwave radiation, effects 2278
parasitoids 1796
Trichogrammatoidea eldanae 2714
pathogens, *Heterorhabditis heliothidis* 2736
physiology, digestive system 1784
plant extracts
antifeedants 1811
effects 1766
rearing techniques 1785, 2720
rice 1787
sorghum 1815
stored products 1220
Cordyline fruticosa, pot plants, storage 512
Coriandrum sativum
oils, extraction 2931
stored products pests
Stegobium paniceum 263
Systole albipennis 262
Costa Rica
cassava, processing 2900, 2917
potatoes, processing 2899
Cotton
cleaners 1017, 2536
cleaning, optimization 2535

Cotton *cont.*
crop residues
energy sources 2935
utilization 2933
drying
automatic control 475
moisture content 1018
ginning 373, 1412-1413, 2458-2459, 2923
gins, dust control 1385
grading, techniques 2567
handling
mechanization 1573
books 2000
moisture content, determination 1412
postharvest treatment 2460
quality 2113, 2568
storage
environment 2786
mechanization, books 2000
storage decay, *Coprinus cinereus* 2786
stored products pests, *Corcyra cephalonica* 1220
Cotton gins, temperature 37
Cottonseed
aflatoxins, determination 2852
graders 1542
moisture content, determination 448
seed treatment 1591
sorters 1542
Cowpeas
breeding, stored products pests 1760
composition, fatty acids 1760
cultivars, stored products pests 637
processing
antinutritional factors 849
composition 850
techniques 2432
seed testing 1584
storage
biochemistry 1583
containers 2731
duration 1583
physiology 1584
systems 2156
ventilation 2731
stored products pests
Acanthoscelides obtectus 198
Bruchidius atrolineatus 1208, 1819
Callosobruchus 637
Callosobruchus chinensis 193, 250
Callosobruchus maculatus 636, 646, 1221, 1225, 1733, 1760, 1765, 1819, 2266-2269, 2281, 2287, 2290-2292, 2731
Zabrotes subfasciatus 646
stores, building materials 1225
Crocus sativus, reports, India 946
Crop residues
books, coconuts, India 1487
composition
coffee 874
oranges 2464
energy sources
agricultural products 2881
cotton 2935
maize 440
feeds, grapes 378
fertilizers, cocoa 1961
handling, rice 2934
processing
cocoa 1961
maize 358
soyabeans 358
wheat 358
silage, grapes 377
utilization
hazelnuts 53
tropical crops 2933
Crops
herbicide residues
imazamethabenz-methyl 1922
imazapyr 1922
imazaquin 1922
imazethapyr 1922
processing
employment 1348
energy requirements 355
Cruciferae, composition, glucosinolates 163
Cryptolestes
control, chemical control 226
Cryptolestes *cont.*
insecticide resistance, fenitrothion 1808
maize 226
Pennisetum americanum 2294
Cryptolestes ferrugineus
biology
behaviour 191
environmental factors 1801
control, controlled atmospheres 1762, 2265
grain 2264-2265
maize 190
parasitoids, *Cephalonomia waterstoni* 1801
pheromones 647
sorghum 2270
wheat 1762
Cryptolestes pusillus
biology, behaviour 1795, 2284
cassava 665
millets 1795
monitoring, traps 2284
pheromones 237
plant extracts, attractants 2284
traps, pitfall traps 1795
Ctenopeustis obliquana
apples 1838
control, controlled atmospheres 1838
Cuba, cassava, processing 2903
Cucumbers
bacteria, contamination 1857
bruising 2136
composition
enzymes 588
nitrates 2107
nitrites 2107
cultivars, processing 857
Enterobacteriaceae, contamination 1855
growth regulators, ethylene 721, 2797
handling, damage 2136
insecticide residues
abamectin 799, 813
fenitrothion 808
maturity 567
processing, fermentation 1855
processing quality 563, 1630
quality 64
sorting, image processors 2092
storage
cold storage 1159, 2651
controlled atmosphere storage 586, 2651
humidity 563
modified atmosphere storage 65, 582, 586
physiology 567
temperature 1630
storage decay 1159, 2784
Phytophthora melonis 2341-2342
Pythium aphanidermatum 1860
storage disorders
chilling injury 1159, 2651
pillowy 563, 1630
storage quality
assessment 570
irrigation 1630
nutrition 570
wounds 2797
Cucurbita, reports, Australia 1470
Cucurbita maxima
ripening, gene expression 2370
wounds 2366
Cucurbita pepo, storage disorders, chilling injury 136
Culinary herbs
handling, techniques 2124
imports, Europe 1464
Cuminum cyminum
stored products pests
Lasioderma serricorne 1846
Stegobium paniceum 263
Curvularia
fruits 681
vegetables 681
Cut flowers
Alstroemeria 755, 2588
Alstroemeria pelegrina 1295
Anigozanthos manglesii 1233
Anigozanthos rufus 763
Astilbe 510, 1720, 2398
Banksia hookeriana 1233
Cut flowers *cont.*
books 1484
Bougainvillea glabra 327
Bouvardia 510, 1720, 2398
carnations 56, 330, 336, 746, 755, 765, 1296, 1913, 1915-1917, 2391, 2396, 2588, 2831, 2833
Chamelaucium uncinatum 1233
chrysanthemums 756, 1200, 1914, 2250, 2388, 2588
cooling
systems 2588
Europe 1065
Cymbidium 1915
Euphorbia fulgens 755
exports
developing countries 1462-1463, 2954
Italy 2965
Galdiolus dalenii 2395
Gerbera 747
Gloriosa rothschildiana 1574
Gypsophila 2588
handling, books 2981
Hemerocallis 1297
imports
Europe 392
Hong Kong 1463
Italy 2965
Japan 1462, 2954
world markets 391
Leucadendron 758
Liatria spicata 2393
lilac 338, 752
lilies 755
Lilium 2588
marketing
Japan 1461, 2963
USA 1977
ornamental plants 754
Paeonia 2251
Pelargonium 2836
Phalaenopsis 768
physiology, Australia, reviews 1918
Protea eximia 1294
Protea laurifolia 2307
Protea neriifolia 2307
quality 56
roses 56-57, 323, 325-326, 332-335, 337, 339, 510, 616, 748-751, 753, 761-762, 764, 767, 1269, 1718, 1720, 1876, 2390, 2392, 2394, 2398, 2835
senescence, reviews 766
storage
cold storage 614
heat treatment 667
ornamental plants 617
storage decay 1272
stored products pests 667, 1232
Hemiptera 2308
Thryptomene calycina 2397
transport, refrigerated transport 513
tulips 615
vase life, books 2981
Cut foliage
Acacia cultriformis 759
Arachniodes adiantiformis 2143
Daviesia cordata 763
Eucalyptus 759, 1918
Eucalyptus marginata 763
imports, Germany 393
Leucopogon verticillatus 763
Pittosporum tenuifolium 759
Ruscus hypoglossum 1270, 1875
stored products pests 1232
transport, refrigerated transport 513
Cycadaceae, stored products pests, Hemiptera 2308
Cydia molesta, nectarines 256
Cydia pomonella
apples 1838
biology, environmental factors 254
cherries 313, 662
control
chemical control 662, 2753-2754
controlled atmospheres 1838
controlled atmospheres, effects 254
insecticides
methyl bromide 313
toxicity 313
nectarines 2753-2754
walnuts 1832

Cylas formicarius, sweet potatoes 2757
Cymbidium, senescence 331, 1915
Czechoslovakia, agricultural products, processing 842
Dacryodes edulis
drying
high temperature drying 1010
solar drying 1010
ripening
enzymes 2361
temperature 2361
Dactylis glomerata
drying, additives 106
hay 461, 1605, 2057, 2185
silage 104, 1605, 2170, 2176
Damage, potatoes 2134
Dates
aflatoxins, contamination 2872
composition, enzymes 1138
exports 917
grading, image processors 2564
metabolism, organic acids 1138
postharvest treatment 395
sorting, image processors 2564
storage, biochemistry 1138
Daviesia cordata, preservatives 763
Decorticators, groundnuts 1942, 2441
Delia antiqua, onions 2313
Denmark, foods, pesticide residues 785
Dermanyssidae, grain 248
Dermatophagoides pteronyssinus, ecology, environmental factors 2253
Developed countries, horticultural crops, marketing 1443
Developing countries
agricultural products, marketing 380, 1418, 2936
appropriate technology
driers
grain 2027
maize 23
rice 978, 995, 2028
drying
onions 1009
rice 994
hulling
Pennisetum glaucum 1354
sorghum 1354
milling
grain 853
maize 1409
pigeon peas 855
mills, rice 1389
presses
cassava 1409
oil plants 1936
palm kernels 1409
processing
coffee 2927
oil plants 2992
shellers, cocoa 873
stores, sweet potatoes 1196
cut flowers, exports 1462-1463
horticultural crops, exports 2954
postharvest losses, management 2465
postharvest systems, development 1467
Diacetoxyscirpenol
contamination, maize 2868
determination, rice 2427
Diaporthe citri, citrus fruits 1863
Dieffenbachia
pot plants
storage quality 511
transport 511
Dieffenbachia maculata, pot plants, quality 57
Dinarmus basalis
activity, *Callosobruchus maculatus* 2292-2293
hosts, *Callosobruchus chinensis* 1774, 2277
Dinoderus distinctus
grain 1750
plant oils, effects 1750
Dioscorea, sprout inhibition 1650
Dioscorea alata, stored products pests, *Schwiebea araujoae* 2758
Dioscorea japonica, sprout inhibition 1650
Diospyros discolor
aroma 1140
storage, biochemistry 1140
Diplodia, grapefruits 1636
Diptera
Protea laurifolia 2307
Protea neriifolia 2307
Docynia indica, storage decay, *Aspergillus* 2331
Dormancy
onions 539
potatoes 1177
Dorypteryx domestica, distribution, Czech Republic 2258
Dothiorella aromatica, avocados 276
Dothiorella dominicana, mangoes 284
Dried fruit
aflatoxins, contamination 2845, 2872
mycotoxins, contamination 1333
stored products pests, Nitidulidae 664
Driers
air flow
groundnuts 453, 2509
maize 2016
rice 454
wheat 980
batch driers
grain 25, 444
rice 1509
concurrent flow driers
grain 2040
soyabeans 2034
continuous driers
grain 22, 25, 444
rice 985, 2046
convection driers
apples 2062
bananas 2067
grain 11-12, 2045
grapes 1004
Lentinula edodes 2062
maize 2010
mangoes 2067
medicinal plants 2088
mushrooms 2530
Phaseolus vulgaris 2011
soyabeans 2881
Ziziphus sativa 467
conveyor driers, carrots 2059
counterflow driers
grain 2040, 2047
maize 1511, 2039
cross flow driers
grain 432
maize 2015
soyabeans 2024
crossflow driers, rice 1509
deep bed driers
agricultural products 2
fruits 2531
rapeseed 2516
vegetables 2531
wheat 980, 2516
drum driers
grain 1514-1516
hay 33
rice 451, 995
efficiency
grain 992
maize 2019
floor driers, seeds 1490
fluidized beds
coconuts 2066
maize 2021, 2025, 2043
rice 451, 976
sorghum 2717
soyabeans 1495
tea 2080, 2537
wheat 1495
grain driers
appropriate technology 2027-2028
assessment 2018
automatic control 2012
Bangladesh 1512
controllers 22
costs 2991
design 19, 444, 447
heat transfer 1510
performance 432, 449, 981, 993, 1503, 2040, 2045
planning 518
temperature 2047
thermal efficiency 13
waste heat utilization 13
Driers *cont.*
grain dryers, experimental equipment 2033
heaters, maize cobs 23
high temperature driers, rice 985, 995
humidity, measurement 2001
infrared driers
apples 2062
Lentinula edodes 2062
medicinal plants 2088
mushrooms 2530
mathematical models, maize 10
microwave driers
grapes 1004
maize 10, 975, 2010, 2019, 2023
soyabeans 969
mobile units, maize cobs 23
models, maize 2013
roller driers, lucerne 2048
selection, rice 983
solar energy
agricultural products 1489
fruits 1006, 1012
grain 971
hay 35
medicinal plants 2089
rice 996
tea 2080
tobacco 38
vegetables 1006
tests
grain 1503
Panax pseudoginseng 2085
ventilated bin driers, rice 984
ventilated silo driers
faba beans 967
grain 11-12
hay 34
rice 978
Drying
additives
Dactylis glomerata 106
grasses 463
aeration
barley 970
grain 2507
hay 32
wheat 2511
air drying
bananas 2068
rice 961
tobacco 1531
Trifolium pratense 1607
air flow, grain 26
ambient air drying
grain 2507
maize 2041
rice 1500
automatic control
cotton 475
hay 34
maize 435
tobacco 1022, 2082
Ziziphus sativa 470
barn drying 2525
hay 31, 462, 464-465, 2527, 2971
bins
maize 2039
rice 455
biochemistry, tobacco 2538
conditioning
hay 2056
Phaseolus vulgaris 2011
conferences 2490
convection, carrots 2069
cooperatives
rice 1513
wheat 1513
costs, medicinal plants 2089
damage
maize 41
soyabeans 987, 2024
wheat 1494
dehumidification
buckwheat 1497
grain 2030
rice 2029
desiccants
agricultural products 430-431
hay 998, 2523
silage 998

Drying *cont.*
economics
grain 893
maize 1498
electrical treatment
mushrooms 2532
radishes 2532
energy conservation
crops 355
grain 7-8, 993
hay 29
maize 435, 2041
energy consumption
crops 355
fruits 469, 2531
grain 12, 438, 971
grasses 2086
maize 1505, 2043, 2503
onions 2072
rice 1500
vegetables 2072, 2531
energy requirements
groundnuts 453
maize 437
energy sources
agricultural products 3
fodder 2031
grain 440
maize 2031
rice 981, 2036
equipment
agricultural products 426
grain 2508
hay 465
mulberries, leaves 1023
rice 2020
tea 1020
fans
groundnuts 453
rice 455
field drying
fodder 1393
grasses 1623
hay 29, 462, 999, 1522, 2049-2050, 2053, 2055, 2057
maize 1331
tobacco 1532
fluidized bed drying, *Capsicum* 1013
forced air drying, faba beans 968
freeze drying, vegetables 2061
greenhouses, grain 989
heat pumps
agricultural products 1, 430-431
buckwheat 1497
cassava 2076
grain 8, 971
Lentinula edodes 468
onions 2072
rice 2029
vegetables 2072
heat transfer
barley 1499
carrots 2069
cocoa 2078
grain 1515
rice 985, 994
high temperature drying
Dacryodes edulis 1010
grain 2508
sweetcorn 472
walnuts 1007
humidity
carrots 2059
soyabeans 2024
infrared radiation, mushrooms 1014
installations, grain, China 433
intermittent drying, rice 1507
kinetics
bananas 2067
carrots 2059
maize 2025
mangoes 2067
latent heat
grain 15
horticultural crops 15
low temperature drying
grain 438
maize 435-436
maize cobs 1088
rice 455, 978, 984

Drying *cont.*
mass transfer
barley 1499
carrots 2069
cocoa 2078
potatoes 2058
mathematical models
aubergines 1015
Canavalia 2075
grain 1516, 2022
hay 460, 2049
persimmons 466
pigeon peas 2502
rice 985, 996
soyabeans 987
sweet potatoes 474
Ziziphus sativa 467
maturity, grasses 2522
microwave radiation
grain 1491
potatoes 1528
wheat 963
mixing, grain 2018
moisture
sorption
grain 2005
oilseeds 2005
moisture content
barley 970
buckwheat 450
cotton 1018
faba beans 967-968
grain 26, 2044
groundnuts 2515
maize 2021
persimmons 2070
pigeon peas 2502
rice 2017, 2038
wheat 980, 2511
nutritive value
cassava 2534
Lolium 2524
lucerne 2524
maize 2524
physical properties
aubergines 1008
maize 446
pretreatment
Capsicum 1013
fruits 2060
grapes 1004
maize 1505
Mentha spicata 2084
Ocimum basilicum 2084
research, grain, China 18
seed germination, soyabeans 2003
shrinkage
grain 2521
rapeseed 2520
simulation models
buckwheat 450
carrots 2059
cocoa 2078
grain 18, 443, 1514-1515
maize 436, 1498
medicinal plants 1025
rice 2046
soyabeans 1496
wheat 982
solar collectors 2525
hay 29, 2527
solar drying
bananas 2074
Capsicum 1013
cocoa 1019, 1414, 2078-2079
crops 977
Dacryodes edulis 1010
grain 989
hay 2053, 2186
medicinal plants 1025
Piper nigrum 2540
potatoes 2063
radishes 2533
rice 996, 2020
sweet potatoes 1196, 2912
tropical fruits 2073
sorption isotherms, persimmons 466
systems
apples 2529
bananas 2074
cassava 2064

Drying *cont.*
systems *cont.*
Chamomilla recutita 2083
fruits 2913
grasses 2086-2087
groundnuts 24
hay 456
hazelnuts 53
maize 24, 972
onions 1009
Panax quinquefolius 1979
pears 2529
potatoes 2913
rapeseed 2505
spices 1957
tobacco 476
tropical fruits 2073
vegetables 2913
wheat 964
temperature
bananas 2068
barley 1504, 1519
buckwheat 450
carrots 2059
cashews 1410
cocoa 1414
garlic 471
ginger 477
Lolium 2524
lucerne 2048, 2051, 2524
maize 1517, 2021, 2524
Mentha spicata 2084
Ocimum basilicum 2084
pigeon peas 2502
pomegranates 1003
potatoes 1528, 2058
rice 454, 2017
wheat 980, 1494
thin layer drying
aubergines 1015
Canavalia 1016, 2075
carrots 1016, 2065
copra 2071
grain 1508, 2022, 2033
hay 1001
kenaf 1529
lucerne 2051
maize 2506
mushrooms 1014
pineapples 2065
rice 2014, 2017
sweet potatoes 474
Taxus media 1024
wheat 1506
Ziziphus sativa 467
tobacco curing sheds, tobacco 1021
vacuum drying
Canavalia 1016
carrots 1016
onions 1005
radishes 2533
vegetables 2061
ventilation
hay 36
wheat 2511
wetting, hay 2049-2050
Durians, imports, Japan 915
Economics
cleaning
maize 2035
wheat 385
cooling, peaches 1563
drying, maize 1498
processing, cassava 2918
storage
grain 893
yams 1193
Ecuador, cassava, processing 2908, 2914
Edible fungi (*see also* Mushrooms)
postharvest treatment, India 1980
Egypt, agricultural products, marketing 379
Electrical properties (*see* Properties)
Eleusine coracana, processing, techniques 1359
Endives
browning 561
composition, phenolic compounds 561
Energy conservation
drying
crops 355
grain 7-8, 993

Energy conservation *cont.*
drying *cont.*
hay 29, 34
maize 435, 2041
storage, apples 1194
transport, agricultural products 58
Energy consumption
cooling, potatoes 2248
drying
crops 355
fruits 469
grain 12, 438, 971
grasses 2086
maize 2043, 2503
Trifolium pratense, seeds 30
haymaking 462
milling
rice 1390
sorghum 364
silage cutters 63
storage, rice 521
unloading, silage 126-127
Energy requirements
chopping, fodder 856
drying
groundnuts 453
maize 437
mills, rice 1945
processing
agricultural products 355
crops 355
Energy sources
biomass, drying, grain 440
crop residues, rice 1390
geothermal energy
drying
agricultural products 3
fodder 2031
maize 2031
solar energy
driers, grain 971
drying
agricultural products 3
bananas 2074
cocoa 2078
grain 989
hay 35
medicinal plants 1025
potatoes 2063
rice 996
tea 2080
tobacco 38
tropical fruits 2073
Enterobacteriaceae, contamination, cucumbers 1855
Enzyme activity
biochemistry, carnations 2834
storage, tomatoes 2649
Enzymes
biochemistry, tomatoes 2365
browning
apples 722, 2127-2128
fruits 732
longans 2359
carbon dioxide, tomatoes 299
characterization
apples 1138
avocados 307
dates 1138
tomatoes 1286
composition
grapes 720, 2792
guavas 1394
peaches 1274
potatoes 2684
Sitophilus oryzae 1751
Tenebrio molitor 1751
tomatoes 303, 1278, 1885
Tribolium castaneum 1751
disorders, *Pyrus bretschneideri* 1647
dormancy
garlic 607
onions 539
inhibitors, potatoes 1703
irradiation, garlic 595, 607
ripening
apples 2673
avocados 1905, 2825
bananas 731, 1281, 1898
Capsicum 317
cherimoyas 2805

Enzymes *cont.*
ripening *cont.*
Dacryodes edulis 2361
fruits, reviews 1283
grapes 2381
kiwifruits 1285, 1894, 2346
mangoes 290, 719, 2798
melons 718, 735, 2345, 2356, 2380
nectarines 301, 737
olives 2796
oranges 714
peaches 322, 737, 1274, 2795, 2811
persimmons 1276
strawberries 291
tomatoes 299-300, 305, 314-315, 318, 716, 739, 1273, 1290, 2351, 2362, 2365, 2793, 2815
tropical fruits 2819
seed dormancy, barley 2593
senescence
broccoli 304
carnations 1296, 2391, 2400-2402
Petunia 2401
sprouting, garlic 557, 595
storage
apples 1669-1670, 2673
asparagus 2202
avocados 156
bananas 2195
broccoli 1673
cucumbers 588
groundnuts 80
mangoes 1142
mushrooms 566, 2213
pawpaws 1227
potatoes 1178, 2683
sugarbeet 1199
sunflower seeds 2595
storage disorders, apples 1145
ultraviolet radiation, grapefruits 2329
utilization, foods, reviews 840
wounds
cucumbers 2797
Cucurbita maxima 2366
tomatoes 2366, 2797
Ephestia cautella
control, chemical control 2272
maize 2272
parasitoids, *Trichogramma pretiosum* 228
wheat 2272
Ephestia elutella
control, insecticides 261
plant extracts, effects 1791
Ephestia kuehniella
biology, development 1809
chemosterilants, effects 1730
gamma radiation, effects 2254
insect growth regulators, effects 2260
parasitoids
Trichogramma embryophagum 2288
Trichogramma evanescens 2756
Trichogramma minutum 2756
Trichogramma turkeiensis 2288
pathogens 1201
plant extracts, effects 1791
Epicoccum, rice 672
Epiphyas postvittana
apples 1838
control, controlled atmospheres 1838
Eragrostis tef, marketing, Ethiopia 1423
Ergonomics
processing, cassava 2922
sorting, tomatoes 2554
Erwinia, potatoes 1698, 2338
Erwinia carotovora
Capsicum 2218
potatoes 1255
Erwinia carotovora* subsp. *atroseptica
cabbages 696
potatoes 692, 695, 2338
Erwinia carotovora* subsp. *carotovora, potatoes 701, 2338
Essential oil plants, storage, physiology 2252
Essential oils
extraction
mandarins 1396
Salvia sclarea 875
Ethiopia
Eragrostis tef, marketing 1423
grain, marketing 1430, 2467

Ethiopia *cont.*
maize, marketing 1423
wheat, stored products pests 633
Eucalyptus, physiology 1918
Eucalyptus delegatensis, vase life 759
Eucalyptus globulus, vase life 759
Eucalyptus gunnii
storage, cold storage 759
vase life 759
Eucalyptus marginata, preservatives 763
Eucalyptus rubida, vase life 759
Eucalyptus viminalis, vase life 759
Eugenia dysenterica
storage, temperature 1656
storage disorders, chilling injury 1656
Eupelmus vuilleti, activity, *Callosobruchus maculatus* 2292
Euphorbia fulgens, preservatives 755
Europe
culinary herbs, imports 1464
cut flowers, imports 392
fruits, storage, modified atmosphere storage 1068
haymaking, drying, reviews 456
horticultural crops, cooling, systems 1065
vegetables, storage, modified atmosphere storage 1068
European Communities
fruits
imports 898
marketing 1450
oranges, imports 925
tropical fruits, marketing 390
vegetables
imports 898
marketing 1450
wheat, exports 2945
Eurotium
coffee 2874
sorghum 222
Eurotium chevalieri, wheat 266
Expert systems
drying, maize 435
processing, soyabeans 363
storage decay, horticultural crops 2324
storage disorders, horticultural crops 2246
stored products pests, grain 2271
Faba beans
damage 2296
driers, ventilated silo driers 967
drying
forced air drying 968
moisture content 967-968
insecticide residues
carbofuran 1317
malathion 345, 1311
methyl bromide 1318
mechanical properties 1058
processing
antinutritional factors 2876
nutritive value 1370
reviews 843
techniques 1370
shellers 1380
storage, systems, Sudan 83
stored products pests
Bruchidius incarnatus 214
Bruchus rufimanus 2296
Feeds
aflatoxins, contamination 1334, 2840
mechanical properties 79
mycotoxins
contamination 2840
inactivation 2838
storage, bulk storage 79
zearalenone, determination 2853
Feijoas
storage, cold storage 2668
storage decay, *Pestalotiopsis psidii* 1265
Fennel
composition
nitrates 2107
nitrites 2107
stored products pests, *Systole albipennis* 262
Fermented foods, processing, techniques 2453
Festuca, hay 2185
Festuca pratensis
hay 461, 1605

Festuca pratensis cont.
silage 1601, 1605
Ficus benjamina
pot plants
quality 57
transport 509
Figs
aflatoxins, contamination 353, 2872
growth regulators, ethylene 1882
metabolism, waxes 713
ripening
biochemistry 1882
growth regulators 297, 1882
senescence 713
size 1882
storage, controlled atmosphere storage 585
Fire prevention
haymaking 2971
straw 2576
Fodder
aflatoxins, contamination 678
balers 1393
drying
energy sources 2031
field drying 1393
fungi, contamination 678
green crop fractionation 2888-2889
handling, mechanization 1626
moisture content 458
processing, chopping 856
storage, mechanization 1626
Fodder beet, silage 109, 1600, 2615, 2639
Foliage plants, reports, Australia 407
Food policy, Botswana 877
Food supply, Botswana 877
Foods
aflatoxins
contamination 1325, 1334, 2840, 2864
reviews 2841
determination 1302-1303, 2837, 2839
legislation 1333
contamination 1307
fungi, contamination 1300-1301, 1304, 1329
herbicide residues, assessment 2843-2844
irradiation
books 2491
ionizing radiation 2145
reviews 1935
marketing, Ghana 1962
mycotoxins
contamination 2840
reviews 2842
determination 1322, 2839
inactivation 2838
ochratoxins, determination 2837
pesticide residues
assessment 341-342, 772, 781
conferences 1481
databases 775, 777
determination 773-774, 778
irradiation 770
legislation, Denmark 785
monitoring 771, 776, 779-780
processing 783
reviews, tropics 791
processing, nutritive value 1347
quality, enzymes, reviews 840
sterigmatocystin, determination 2837
storage, systems, books 957
storage decay 2256
stored products pests 2256
yeasts, contamination 1304
zearalenone, determination 2837
Forage conditioning 2528
France
grapefruits, imports 908, 924
haymaking, equipment, buyers' guides 2526
Freesia
storage quality, protected cultivation 2389
vase life 754, 2389
Fruits
aroma 1881
bacteria, contamination 1854
books, India 2979
browning 732
bruising 71
Fruits *cont.*
colour 2546
composition
ascorbic acid 162
minerals 49
pectins 1897
conferences 413
cooling
heat transfer 1570
precooling 1570
systems 1571
Europe 1065
crop residues, utilization 2933
driers
deep bed driers 2531
solar energy 1006
drying
energy consumption 469, 2531
pretreatment 2060
solar drying 977
systems 2913
exports
Chile 914, 2953
India 920-921
Mediterranean countries 906
Mexico 919
Netherlands 911
Oceania 902-903
South Africa 913
South America 902-903
USA 919, 1449
fungi, contamination 681, 1854
fungicide residues
carbendazim 2869
determination 825, 828
mancozeb 354
maneb 354
propineb 354
thiram 354
zineb 354
graders 1044
grading
acoustics 1551
automation 1044
image processors, reviews 51
growth regulators, abscisic acid, reviews 297
handling
damage 1080
techniques, Japan 64
imports
European Communities 898
Mexico 919
UK 911
USA 897, 919
insecticide residues
determination 825, 828
organophosphorus insecticides 814
marketing
developed countries 1443
European Communities 1450
India 1452
Italy 1446, 2475
Japan 1441-1442
Mediterranean countries 1444
Mexico 2952
Netherlands 1438
Taiwan 1454-1455
USA 1976
world markets 1458
moisture content, determination 401
packing
materials 2123
quality controls 69
patulin, contamination 2873
pesticide residues
assessment 341-342, 352, 816
determination 1308, 1931-1932
monitoring 806, 1345-1346
physical properties 2560
production, Turkey 1061
quality 1038, 1045
respiration 551
ripening
biochemistry 1897
books 1486
enzymes, reviews 1283
genetic engineering 2975
growth regulators 297, 1292
molecular genetics, reviews 1908
Salmonella, contamination 1853
Fruits *cont.*
Shigella, contamination 1853
sorting
simulation models 492
techniques 492
storage 977
cold storage 2662
conferences 1477
controlled atmosphere storage 140, 578-580, 2662, 2700, 2702-2703
cooling 1065, 1075
ethylene 140, 2701
heat treatment 1853, 2325
reviews 1243
modified atmosphere storage 65, 579-580, 582, 1069, 1191, 1646, 1692, 2662
Europe 1068
reviews 1702
nutritive value 162
packing 2123
physiology 551, 2975
treatment 1570
storage decay 287, 2333-2334, 2774
bacteria 2324
biological control 1258
reviews 1864, 2772
storage dips
sucrose esters 130
waxes 1164
storage disorders, chilling injury 2246
storage life 2662
storage quality, breeding 2662
stored products pests
analysis 258
India 661
stores
automatic control 2700
building construction 171
books 2498
cold stores, books 2498
equipment 2707
sensors 544
thermal properties 401
transport
damage 1079
intrafarm transport 76
refrigerated transport 1079, 2580-2582
road transport 1456
systems 580
vibration 2135, 2140
Vibrio cholerae, contamination 1853
Fumigants
carbon disulfide, spices 262
hydrogen cyanide, spices 262
methyl bromide
agricultural products 2711
barley 2154
cherries 662
cocoa 1231
nectarines 2753-2754
oats 2154
ornamental bulbs 2763
pears 2451, 2647
spices 262
Tribolium castaneum 1788
wheat 2154
phosphine
agricultural products 2712
grain 2264
tobacco 2760
wheat 266
sulfur dioxide, grapes 2775
Fumigation, sulfur dioxide, kiwifruits 2778
Fumonisins
contamination, maize 348, 2866
production
Fusarium proliferatum 2404
Gibberella fujikuroi 2404
Gibberella fujikuroi var. *subglutinans* 2404
Fungi
contamination
apples 1344
barley 2865
coffee 2874
fodder 678
foods 1300-1301, 1304, 1329
fruits 681, 1702, 1854
grain 1848, 2418, 2864

Fungi *cont.*
contamination *cont.*
groundnuts 1342
lettuces 1852
maize 346, 1326-1327, 1336, 2404-2405, 2413, 2420, 2846, 2865
Mucuna pruriens 708
potatoes 2865
rice 1336
sorghum 2422
soyabean oilmeal 346
tomatoes 1640
vegetables 681, 1702, 1854
wheat 350, 798, 2421
wheat bran 1849
control
Nectria galligena, apples 285
Pezicula malicorticis, apples 285
Fungicide residues
anilazine, tomatoes 822
assessment, grapes 837, 1930
biphenyl, citrus fruits 820
captafol
apples 796
citrus fruits 826
grain 796, 826
vegetables 826
carbendazim
fruits 2869
grain 2869
chlorothalonil
agricultural products 1931
tomatoes 822
copper oxychloride
melons 838
vegetables 838
determination 784
agricultural products 1931-1932
fruits 825, 828
vegetables 825, 828
dithiocarbamate fungicides
apples 824
tomatoes 824
ethylenethiourea, turnips 801
ferbam, grain 797
imazalil, melons 1267
iminoctadine, citrus fruits 1863
mancozeb
apples 817
aubergines 823
fruits 354
melons 838
potatoes 817
tomatoes 817, 822
vegetables 354, 838
maneb
fruits 354
turnips 801
vegetables 354
2-phenylphenol, citrus fruits 820
procymidone, agricultural products 1931
propineb
fruits 354
vegetables 354
quintozene, agricultural products 1931
sulfur dioxide, grapes 679
tebuconazole 784
thiabendazole, citrus fruits 820
thiram
apples 821
fruits 354
vegetables 354
tolclofos-methyl, *Phaseolus vulgaris* 1341
TPN, agricultural products 1931
triadimenol 784
vinclozolin, agricultural products 1931
zineb
fruits 354
melons 838
vegetables 354, 838
Fungicide tolerance
benzimidazole
Botryodiplodia 270
Colletotrichum 270
imazalil, fungi 270
thiabendazole
Fusarium 702
Gibberella 702
Nectria galligena 702
Phoma exigua var. *foveata* 702

Fungicides
application
maize 1590
potatoes 690
benomyl
apples 1252
Bactrocera tryoni 1843
carrots 279
maize 2765
oranges 2328, 2773
pawpaws 1252
Phaseolus vulgaris 1582
raspberries 1851
strawberries 2314
boric acid, tomatoes 2335
captafol, sunflower seeds 81
captan
Phaseolus vulgaris 1582
raspberries 1851
carbendazim
apples 1252
mandarins 277
onions 1247
pawpaws 1252
Ruscus hypoglossum 1875
safflower 1237
sugarbeet 2788
sunflower seeds 81
copper sulfate, tomatoes 2335
dichlofluanid
roses 1269
Ruscus hypoglossum 1875
dicloran, sugarbeet 2788
diethofencarb
onions 1247
Ruscus hypoglossum 1875
ethoxyquin, apples 135
fenbuconazole
roses 1269
Ruscus hypoglossum 1875
fenpiclonil, roses 1269
fosetyl, kiwifruits 682
imazalil
melons 1638
onions 1247
pineapples 273
potatoes 2339
iminoctadine, citrus fruits 1863
iprodione
raspberries 1851
Ruscus hypoglossum 1875
tomatoes 1856
2-phenylphenol, melons 1267
polyoxins
roses 1269
Ruscus hypoglossum 1875
potassium permanganate, tomatoes 2335
prochloraz, melons 1267
pyrrolnitrin
raspberries 1851
strawberries 2314
sodium orthophenylphenate, lemons 1641
streptomycin
apples 1252
pawpaws 1252
tebuconazole
roses 1269
Ruscus hypoglossum 1875
tetracycline
apples 1252
pawpaws 1252
thiabendazole
determination 1865
lemons 1641
maize 2765
onions 1247
potatoes 689-690, 698, 2339
thiophanate, bananas 2195
thiophanate-methyl
grapes 1256
kiwifruits 682
oranges 2328, 2773
Phaseolus vulgaris 1582
tomatoes 1856
thiram
Phaseolus vulgaris 1582
potatoes 698
Ruscus hypoglossum 1875
triadimefon
grapes 1256
pineapples 273

Fungicides *cont.*
triadimenol, pineapples 273
vinclozolin
carrots 279
Ruscus hypoglossum 1875
tomatoes 1856
Fusarium
avocados 278
barley 2865
maize 677, 1235, 1579, 2854, 2865
melons 1267
onions 133
potatoes 686, 1698, 2338, 2865
Sechium edule 1150
silage 2854
sorghum 2422
sweet sorghum 2414
***Fusarium chlamydosporum*,** tomatoes 1873
Fusarium crookwellense
maize 2854
silage 2854
Fusarium culmorum
fungicide tolerance, thiabendazole 702
maize 2854, 2870
potatoes 702
silage 2854
Fusarium equiseti
carrots 1254
foods 1300
grain 2863
pawpaws 1254
peas 1254
Phyllanthus emblica 2332
sweet potatoes 1254
tomatoes 1873
Fusarium oxysporum
grain 2863
potatoes 2779
quinces 2785
***Fusarium oxysporum* f.sp. *cepae*,** onions 2313
Fusarium pallidoroseum
bananas 282
grain 2863
maize 1327
***Fusarium roseum*,** fruits 2337
Fusarium solani
carrots 1871
pawpaws 2776
pineapples 274
Fusarium solani* var. *coeruleum
fungicide tolerance, thiabendazole 702
potatoes 701-702
Fusarium sporotrichioides
foods 1300
maize 2854
silage 2854
***Ganobotrytis*,** rice 672
Garlic
drying, temperature 471
irradiation, gamma radiation 595, 606-607
postharvest systems 2966
postharvest treatment, reviews 1957
sprout inhibition 606
sprouting 557, 595
storage
biochemistry 2643
irradiation 595, 606-607
modified atmosphere storage 582
storage decay 606
Gases
diffusion
apples 1661
cherimoyas 2803
Citrus 1671
distribution, modified atmosphere storage 1057, 1172
Geotrichum candidum
cherries 2780
citrus fruits 283, 1863
lemons 1641
pawpaws 2782
potatoes 281
quinces 2785
tomatoes 1873, 2452
***Gerbera*,** vase life 747, 754
Germany
agricultural products
storage 2572
transport 2572

Germany *cont.*
asparagus, marketing 1973
cut flowers, imports 392
cut foliage, imports 393
grain
marketing 892
storage 891
economics, conferences 952
vegetables, marketing 2955
Ghana
appropriate technology
milling, maize 1409
presses
cassava 1409
palm kernels 1409
cocoa, marketing 1459
foods, marketing 1962
shea butter, processing 1937
Gibberella acuminata
grain 2863
Phyllanthus emblica 2332
Gibberella avenacea
carrots 1871
fungicide tolerance, thiabendazole 702
maize 2854
potatoes 702
silage 2854
Gibberella cyanogena
fungicide tolerance, thiabendazole 702
potatoes 702
Gibberella fujikuroi
bananas 282
foods 1300
maize 1327, 2404, 2846
pawpaws 2782
sorghum 2422
Gibberella fujikuroi* var. *subglutinans
bananas 282
maize 2404
Phyllanthus emblica 2332
pineapples 274
Gibberella pulicaris, potatoes 1260
Gibberella zeae
foods 1300
grain 2863
wheat 2849
Ginger
aroma 494
composition 494
drying, temperature 477
exports, developing countries 2954
imports, Japan 2954
postharvest treatment, reviews 1957
processing, peeling 2932
storage
cold storage 180
temperature 180
storage dips
sucrose esters 180
waxes 180
stored products pests
Lasioderma serricorne 1846
Stegobium paniceum 263
Gladiolus dalenii
senescence 2395
vase life 2395
Gliocladium roseum
control
Botrytis allii, onions 1870
storage decay, horticultural crops 2779
Globe artichokes
cooling, precooling 2578
storage
cold storage 1652
containers 1652
controlled atmosphere storage 586
cooling 1652
modified atmosphere storage 586
wrappings 2578
storage dips
ascorbic acid 2578
calcium chloride 2578
citric acid 2578
Gloeosporium psidii, fruits 2337
Glomerella, mangoes 1166
Glomerella cingulata
avocados 267, 276, 1858-1859
carrots 1254
fruits 2337
mangoes 1242, 1862, 1872
Glomerella cingulata *cont.*
pawpaws 1254, 2776
peas 1254
sweet potatoes 1254
tomatoes 2316
Gloriosa rothschildiana
preservatives 1574
storage, airtight storage 1574
transport 1574
vase life 1574
Glycyphagus domesticus, ecology, environmental factors 2253
Gnathocerus cornutus, rearing techniques 2261
Gooseberries
growth regulators
kinetin 2211
morphactins 2211
mechanical properties 1572
metabolism
ascorbic acid 2211
sugars 2211
storage, biochemistry 2211
Graders
citrus fruits 2555
cottonseed 1542
fruits 1044
peaches 1043
potatoes 2093
vegetables 1044
Grading
acoustics
apples 488
avocados 1550
fruits 1551
melons 1550
potatoes 1550
algorithms, agricultural products 478
automation
apples 2565
fruits 1044
vegetables 1044
computer vision, agricultural products 1533
consumer preferences, pecans 1544
damage, groundnuts 1539
farmers' attitudes, grain, USA 40
image processors
apples 50, 1053
asparagus 1549
Capsicum 1051
carrots 52
dates 2564
fruits, reviews 51
maize 1033
peaches 1043, 2562
potatoes 2094, 2559, 2561
raisins 1047, 2110
rice 42, 2437
vegetables, reviews 51
mechanization, potatoes 2585
neural networks
apples 2563
Capsicum 2109
pot plants 2571
potatoes 2094, 2559
sampling, groundnuts 480
spectral analysis, groundnuts 479
spectrophotometry, agricultural products 39
spectroscopy
avocados 2556
pumpkins 1555
techniques
asparagus 1050
chicory 894
citrus fruits 1064
cotton 2567
grapefruits 1543
groundnuts 2851
nectarines 502
peaches 502, 1553
rice 1938
soyabeans 1541
spices 1957
watermelons 2108
wheat 1540
Grain
aflatoxins
contamination 1332, 1334, 2845
Asia, reviews 1339
Grain *cont.*
aflatoxins *cont.*
determination 1322, 2847
agricultural policy 2466
assessment, driers 2018
automatic control, driers 2012
bins
capacity 91
design 2167
filling 2607
heat transfer 2606
pressure 1104, 1595
unloading 1090, 2163
ventilation 2608
wall pressure 2163, 2602, 2607
books 420
cleaning, techniques 21
composition
minerals 49
proteins 1535
coolers, models 2162
cooling, aeration 2507
damage 1224
dielectric properties 17
driers
appropriate technology 2027
Bangladesh 1512
batch driers 25
concurrent flow driers 2040
continuous driers 22, 25
controllers 22
convection driers 2045
costs 2991
counterflow driers 2040, 2047
cross flow driers 432, 2012
design 19, 444, 447
efficiency 992
heat transfer 1510
performance 432, 449, 981, 993, 1503, 2040, 2045
planning 518
solar energy 971
tests 1503
thermal efficiency 13
waste heat utilization 13
drying
aeration 2507
ambient air drying 2507
dehumidification 2030
economics 893
energy conservation 7-8, 993
energy consumption 438, 971
energy sources 440
equipment 2508
greenhouses 989
heat pumps 8, 971
heat transfer 1515
high temperature drying 2508
installations, China 433
latent heat 15
low temperature drying 438
mathematical models 1516
microwave radiation 1491
mixing 2018
moisture, sorption 2005
moisture content 26, 2044
research, China 18
shrinkage 2521
simulation models 18, 443, 1514-1515
solar drying 977, 989
thin layer drying 1508, 2022, 2033
experimental equipment, driers 2033
exports, Bulgaria 886
flow 92, 1091-1092, 1100
food supply, Zimbabwe 1967
friction 1594
fungi, contamination 1848, 2418, 2864
fungicide residues
captafol 796
carbendazim 2869
grading, farmers' attitudes, USA 40
handling
economics 1562
elevators 1562
mechanization 1573
books 2000
handling machinery 1060
hardness 1535
herbicide residues
determination 2416

Grain *cont.*
herbicide residues *cont.*
paraquat 2416
hulling 1391
insecticide residues, fenitrothion 1926
loaders 498
marketing
Africa 1435
China 1432-1434, 1969
Ethiopia 1430, 2467
Germany 892
India 2943
Italy 2600
Nicaragua 1425
Tanzania 1436
USA 386
Zimbabwe 2948
mechanical properties 1059, 1106, 2164
meters 59
milling, appropriate technology 1939, 2518
mills 2438-2439, 2518, 2884
moisture content 484
determination 17, 20, 428, 1518, 1535
mycotoxins
contamination 24, 1333, 1337, 2408, 2418, 2864
conferences 1479
pesticide residues
assessment 341-342, 1319
determination 1308, 1928, 1932, 2419
postharvest losses, USSR 1850
postharvest treatment 941
buyers' guides 1387
processing
appropriate technology 1382
Argentina 1351
economics 1377-1378
employment 1374, 1377
energy requirements 2884
equipment 2883
quality 484, 1535
reports, Canada 2482
respiration 2159
seed cleaners 14, 965
separation, straw 16
separators 14, 965, 2510
storage 977
aeration 94
airtight storage 522
bagging 1578
bins 1087, 1104
bulk storage 1104
controlled atmosphere storage 2265
economics 893, 1431
conferences, Germany 952
farm storage 40, 893
food supply 1588
Germany 891
guidelines 95
heat production 89, 2149
loads 2164
mechanization, books 2000
mixing 2609
moisture content 94, 248, 2149, 2608
optimization 1431
sacks 522, 1578
standards, Romania 1592
systems 519
books 1488
USSR 84
temperature 1087
treatment 24, 94
ventilation 2609
storage decay 671, 673, 1241
Fusarium 2863
Gibberella 2863
stored products pests 642, 2721
Acanthoscelides obtectus 2739
Acari 248
Acarus siro 1763
Cheyletus eruditus 1763
Coleoptera 2289
control
expert systems, tropics 2271
reviews 1797
Cryptolestes 1808
Cryptolestes ferrugineus 1801, 2264-2265
detection 217

Grain *cont.*
stored products pests *cont.*
Gnathocerus cornutus 2261
India 212
Lepidoglyphus destructor 1763, 1978
Oryzaephilus surinamensis 1808, 2264
Phradonoma nobile 1820
Plodia interpunctella 1735
Prostephanus truncatus, Tanzania 1224
Psocoptera 248
Reesa vespulae 213
Rhyzopertha dominica 1808, 1818, 2264
Sitophilus 2739
Sitophilus granarius 2265
Sitophilus oryzae 1808
Sitophilus zeamais 2715
South Africa 1820
Tarsonemus 1763
Tribolium 2739
Tribolium castaneum 1808, 2718
Trogoderma granarium 1818, 1820
Trogoderma inclusum 1820
Trogoderma variabile 1820
Tydeus 1763
Tyrophagus longior 1763
UK 641
stores
aeration 1095, 2608
automatic control 2608
books 1488
building construction 2167
building materials 1108, 1576
buildings 1224
buyers' guides, Australia 90
design 2603
humidity 1594
Italy 2600
Nigeria 2603
planning 518
safety devices 1112
temperature 1594
wall pressure 2602
temperature, driers 2047
transport
mechanization 1382
rail transport 387, 1429
standards, Romania 1592
subsidies, Canada 387, 1429
vomitoxin, contamination 2848
zearalenone, contamination 2848
Grain crops, crop residues, utilization 2933
Grain dust
dust control 1385
health hazards, man 398, 942
Grain legumes
processing
economics 1377-1378
employment 1374, 1377
equipment 362
stored products pests, *Callosobruchus chinensis* 250
Granulosis viruses
control
Phthorimaea operculella, potatoes 1839
Plodia interpunctella, raisins 255
Grapefruits
colour 46, 1543, 2546
composition
carotenes 46
carotenoids 46, 1543
exports, USA 908, 910, 924
flavour 1671
grading, techniques 1543
growth regulators, ethylene 151
imports
Canada 908, 924
France 908, 924
Japan 908, 924
Netherlands 908, 924
irradiation, ultraviolet radiation 2329
metabolism
acetaldehyde 1660
alcohols 1660
fatty acids 1660
storage
biochemistry 46
cold storage 1660

Grapefruits *cont.*
storage *cont.*
controlled atmosphere storage 585
duration 1660
heat treatment 680, 1226, 1631, 1636, 1842
hot water treatment 1631
physiology 1671
treatment 151
wrappings 680
storage decay 283
Diplodia 1636
Penicillium digitatum 1631, 2329
Penicillium italicum 1660
Penicillium ulaiense 2330
Phomopsis 1636
storage dips
fungicides 591
waxes 151, 591, 1671
storage disorders
chilling injury 1660
rind pitting 1631
scald 1631
stored products pests, *Anastrepha suspensa* 1226, 1842
Grapes
acaricide residues, fenazaquin 830
aroma 730, 2104
books, Australia 2984
browning 720
composition
anthocyanins 717
enzymes 720, 2792
crop residues
feeds 378
silage 377
driers
convection driers 1004
microwave driers 1004
solar energy 1012
drying, pretreatment 1004
exports
Chile 2953
USA 1975
fumigants, sulfur dioxide 2775
fungicide residues
assessment 837, 1930
sulfur dioxide 679
fungicides
thiophanate-methyl 1256
triadimefon 1256
growth regulators, residues 837
insecticide residues, assessment 1930
metabolism
acylglycerols 2809
fatty acids 2809
lipids 2809
terpenoids 730
postharvest treatment, India 2968
processing, equipment 858
processing quality 2104
ripening
biochemistry 717, 730, 2809
enzymes 2381
genetic transformation 2381
growth regulators 297
storage
controlled atmosphere storage 585
packing 556
sulfur dioxide 556, 679, 1248
treatment 1143
storage decay 556, 1256
Botrytis cinerea 679, 1248, 2320, 2775
storage disorders, berry shatter 556
Grasses
composition
amino acids 2522
crude protein 2522
fibre 2522
dielectric properties 459
drying
additives 463
systems 2086-2087
mechanical properties 1524
moisture content, determination 459
processing, energy consumption 2887
protein extraction 2887
silage 110, 1121, 1129, 1600, 1606, 2172, 2610-2611, 2621, 2627, 2631

Greece
citrus fruits, exports 927
peaches, exports 905
raisins, exports 927
Green crop fractionation
fodder 2888-2889
Lolium multiflorum 96
lucerne 1613
tobacco 375
Grevillea, physiology 1918
Groundnut butter
aflatoxins
contamination 349
determination 2847
Groundnuts
aflatoxins
contamination 479, 640, 1329, 1334, 1338, 1342, 2415, 2845, 2850, 2872
determination 1322, 1328, 1342, 2847, 2851, 2861
composition
fatty acids 1587
lipids 1587
crop residues, utilization 2933
cultivars, stored products pests 658, 1822-1823
decorticators 1942, 2441
driers, air flow 453, 2509
drying
energy requirements 453
fans 453
moisture, sorption 2005
moisture content 2515
systems 24
exports, USA 887
fungi, contamination 1342
grading
sampling 480
spectral analysis 479
techniques 2851
handling, damage 1539
imports, Japan 883
marketing
developing countries 1418
India 1422
West Africa 2470
maturity 1031
moisture content 1031, 2430, 2519
determination 442, 445, 962, 1492, 1520, 2026, 2515
mycotoxins
contamination 1337
determination 1321
oils, extraction 2430, 2436
optical properties 479
physical properties 2519
processing
antinutritional factors 2415
economics 1376, 1418, 2434
employment 1376
equipment 2434
fermentation 2415
seed germination 80
sorting, techniques 2850
storage
biochemistry 80, 1580
controlled atmosphere storage 2311
humidity 1587, 2311
temperature 1587
storage decay
Aspergillus flavus 2311
Aspergillus ochraceus 2311
storage losses 1587
storage quality, maturity 1580
stored products pests 640
Cadra cautella 2744
Callosobruchus maculatus 658
Caryedon serratus 2725
Corcyra cephalonica 1220
Nigeria 1827
Oryzaephilus surinamensis 1823
Plodia interpunctella 653, 2744
Tribolium castaneum 201, 1822-1823
Trogoderma granarium 1814
Growth regulators
abscisic acid
avocados 156
carnations 2396
Cucurbita pepo 136
fruits, reviews 297
Growth regulators *cont.*
abscisic acid *cont.*
onions 1249
roses 326, 332, 334, 750, 2835
strawberries 2344
tomatoes 1632
Ziziphus sativa 1879
ACC
apples 295, 1888, 1901
bananas 1281
carnations 2834
cherimoyas 2805
chrysanthemums 2388
grapes 1143
melons 2802
pears 138
tomatoes 299, 710
aminoisobutyric acid
cut flowers 755
pot plants 755
aminooxyacetic acid
cut flowers 755
pot plants 755
AVG
avocados 311
lilac 752
benzyladenine, carnations 2831
chlorpropham, potatoes 603
cycloheximide
Hemerocallis 1297
mangosteens 1063
cytokinins
chrysanthemums 756
roses 332
cytozyme, rice 2591
2,4-D, bananas 2195
daminozide
apples 573, 1666, 1888
Panax pseudoginseng 2403
ethephon
apples 2810
Begonia cheimantha 328
lemons 680
mangoes 1166
onions 137
Panax pseudoginseng 2403
pummelos 680
roses 2832
soyabeans 2153
ethylene
apples 295, 310, 573, 1145, 1674, 1680, 1888, 1896, 1901, 2670
asparagus 2202
avocados 311, 321, 2245
bananas 306, 731, 734, 1163, 1281, 2800, 2820-2821
Benincasa hispida 2223
broccoli 2214
Campanula carpatica 329, 1719
carnations 746, 765, 1913, 1915-1917, 2391, 2399-2402, 2833-2834
cherimoyas 2803, 2805
chrysanthemums 2388
cucumbers 721, 1159, 2797
Cucurbita maxina 2366
Cymbidium 1915
figs 1882
fruits 140, 1292
grapefruits 151
grapes 1143
kiwifruits 1894
lemons 680
lilac 752
Luffa acutangula 2223
mandarins 2353
mangosteens 1063
melons 2345, 2802
Momordica charantia 2223
oranges 714
ornamental plants 769
Panax pseudoginseng 2403
parsley 1298
pawpaws 2244
peaches 2372, 2816
pears 138, 711, 2679
Petunia 1915, 2401
pummelos 680
raspberries 1884
reviews 2823
roses 323
Growth regulators *cont.*
ethylene *cont.*
strawberries 2344
tomatoes 299, 710, 727, 1169, 1290, 1889, 1892-1893, 2316, 2366, 2368, 2382, 2385-2386, 2797
vegetables 140-141
Vigna unguiculata subsp. *sesquipedalis* 2223
Ziziphus sativa 1879
flurprimidol, apples 1666
gibberellic acid
Alstroemeria pelegrina 1295
carnations 1916-1917
cherries 860
chrysanthemums 756
Dioscorea 1650
loquats 2791
mangoes 1142, 1291
persimmons 1259
roses 335, 2835
yams 160
Ziziphus sativa 1879
gibberellins
cut flowers 755
roses 334
IAA
Alstroemeria pelegrina 1295
roses 2835
strawberries 2344
tomatoes 2357-2358
Ziziphus sativa 1879
2iP, carnations 330
kinetin
Alstroemeria pelegrina 1295
gooseberries 2211
morphactins, gooseberries 2211
NAA
loquats 2791
pawpaws 1254
norbornadiene, avocados 311
oligosaccharides
fruits 1292
reviews 1292
paclobutrazol
avocados 155
peaches 2816
polyamines, apples 1145
prophenylphosphonic acid, carnations 1913
propylene, avocados 311
residues
apples 775
grapes 837
salicylic acid, *Campanula carpatica* 1719
2,4,5-T, loquats 2791
TIBA, roses 2835
triacontanol, rice 2591
uniconazole, *Panax pseudoginseng* 2403
Guatemala
cassava, processing 2898
potatoes, processing 2913
sweet potatoes, processing 2912
Guavas
metabolism, carbohydrates, reviews 1394
processing quality 1394
ripening, biochemistry, reviews 2819
storage, hot water treatment 260
storage decay 2337
stored products pests, *Anastrepha suspensa* 260
Guinea-Bissau, rice, marketing 2468
Gypsophila, cooling, systems 2588
Handling
damage
apples 66, 72, 152, 506, 1565, 2584
bananas 2663
Brussels sprouts 2226
Capsicum 2769
chicory 2225
fruits 1080
groundnuts 1539
lentils 2575
mangosteens 1063
mushrooms 2230
onions 2120
oranges 2121
peaches 2122, 2125
peas 2575
Phaseolus vulgaris 1560

Handling *cont.*
damage *cont.*
potatoes 1078, 1567, 2134, 2138, 2587, 2682
tomatoes 75, 1062
vegetables 1080, 2136
economics, grain 1562
elevators, grain 1562
mechanization
cotton 1573
fodder 1626
grain 1573
horticultural crops 2133
palm kernels 2583
potatoes 2585
optimization, hay 2185
safety, straw 2117
techniques
agricultural products 1056
apples 154
Arachniodes adiantiformis 2143
asparagus 895, 1904
culinary herbs 2124
fruits, Japan 64
mushrooms 1672
nectarines 502
ornamental plants 513
peaches 502
spices 1957
strawberries 1635
vegetables 2124
Japan 64
Handling machinery
agricultural products 2573
grain 1060
palm kernels 2583
Parthenium argentatum 2589
sugarbeet 1083
Hay
additives
potassium carbonate 997
potassium sorbate 997
propionic acid 997
proprionic acid 2191
sorbic acid 997
storage 128
air flow 1002
composition
alkaloids 2626
calcium 27
carbohydrates 27
crude protein 27, 457, 1605, 2183
fibre 27, 2183
potassium 998
sodium 998
dielectric properties 459
driers 2186
handling 2185
heat 2184
insecticide residues, deltamethrin 1343
loaders 500
moisture content 997, 2184, 2191
determination 459
nutritive value 1605
storage 36, 1132, 2183
storage losses 2183, 2638
stored products pests
Acarus siro 1763
Cheyletus eruditus 1763
Lepidoglyphus destructor 1763
Tarsonemus 1763
Tydeus 1763
Tyrophagus longior 1763
treatment 2191
Haymaking
aeration 32
balers 61
conditioning 2168
driers 28, 33
drying 27, 29, 31-32, 34-36, 457-458, 460-462, 464-465, 998-1001, 2049-2050, 2053-2054, 2056-2057, 2168, 2192, 2523, 2527
Europe, reviews 456
energy consumption 462
equipment 32, 462, 1393, 2055, 2119, 2186
buyers' guides, France 2526
fire prevention 2971
harvesting 27, 457
losses 999-1000
Haymaking *cont.*
machinery 2054
mats 1522, 2119
mechanization 60
simulation models 2189
wrappings 2183, 2185
Hazelnuts
crop residues, utilization 53
drying, systems 53
shelling, techniques 53
sorting, techniques 53
stored products pests, *Plodia interpunctella* 653
Health hazards
grain dust, man 398, 942
storage mites, allergies, man 1466
Tenebrio molitor, allergies, man 186
Helichrysum diosmifolium, physiology 1918
Heliothrips haemorrhoidalis, avocados 1841
Helminthosporium solani, potatoes 2243, 2339, 2343, 2783
Hemerocallis
metabolism, lipids 1297
senescence 1297
Hemiptera
Protea laurifolia 2307
Protea neriifolia 2307
Herbicide residues
agricultural products 340
assessment, foods 2843-2844
determination
agricultural products 1932
grain 2416
imazamethabenz-methyl, crops 1922
imazapyr, crops 1922
imazaquin, crops 1922
imazethapyr, crops 1922
paraquat, grain 2416
Herbicides
oxyfluorfen, pot plants 78
pendimethalin, pot plants 78
Hevea
reports, Malaysia 944
seeds, processing 1400
Hong Kong
cut flowers, imports 1463
oranges, imports 925
Horseradish
storage
light 1713
temperature 1713
ventilation 1713
Horticultural crops
colour 2547
cooling, systems, Europe 1065
drying, latent heat 15
exports
developing countries 2954
Kenya 2476
handling, mechanization 2133
image processors, utilization 399
imports, Japan 2954
marketing
Hungary 2958
Pacific Islands 2960
packing
materials 1707
techniques 2132
reports
Australia 1474
India 1473
storage
cold storage 2699
conferences 411
containers 1707-1708
cooling 1065
modified atmosphere storage 504, 2132
bibliographies 2659
packing 2132
Horticulture
books 1993
new journals 2478
Howeia forsteriana, pot plants, storage 512
HT-2 toxin, determination, rice 2427
Hulling
chickpeas 356
cocoa 2926
grain 1391
Pennisetum glaucum 1354
rice 362, 2518
Hulling *cont.*
sorghum 1354, 2985
Humicola lanuginosa, rice 674
Hungary
apples, marketing 2959
horticultural crops, marketing 2958
Husking, rice 452, 988, 1502
Hyophorbe verschaffeltii, pot plants, storage 512
Image processors
cleaning, stores 1099
grading
apples 50, 1053
asparagus 1549
Capsicum 1051
carrots 52
dates 2564
fruits, reviews 51
maize 1033, 2090
peaches 1043, 2562
potatoes 2094, 2559, 2561
raisins 1047, 2110
rice 42, 2437
soyabeans 1541
vegetables, reviews 51
maturity
broccoli 1554
soyabeans 1541
quality
agricultural products 2487
maize 41, 1032
rice 483
sensors, reviews 1026
sorting
Capsicum 1051
cucumbers 2092
dates 2564
maize 2543
plums 1556
seeds 2542
wheat 2544
utilization, horticultural crops 399
Impact
analysis
apples 66
fruits 1080
instrumentation 66, 1567
oranges 2121
potatoes 1078, 1567
vegetables 1080
measurement
instrumentation 70-71, 506, 2120, 2584
kiwifruits 1548
maize cobs 845
peaches 2122
tomatoes 1062
India
agricultural products
exports 876
marketing 2938-2939
transport, systems 2116
agriculture, technology transfer, books 2495
apples, marketing 2473-2474
appropriate technology, milling, pigeon peas 855
coconuts
crop residues, books 1487
marketing 1457
coffee
exports 934
marketing 933
edible fungi, postharvest treatment 1980
fruits
books 2979
exports 920-921
marketing 1452
stored products pests 661
grain
marketing 2943
stored products pests 212
grapes, postharvest treatment 2968
groundnuts, marketing 1422
maize, marketing 2946
mangoes, exports 901, 2477
mushrooms, postharvest treatment 1980
nuts, stored products pests 212
oilseeds, postharvest treatment 2157
postharvest systems, technology 2966

India *cont.*
potatoes
bibliographies 1996
exports 931
rice
books 2492
marketing 383, 2946
storage 383
vegetables
exports 920-921
marketing 1452
wheat
imports 1966
marketing 1427, 1966
storage, standards 85
Indonesia
bananas, marketing 2957
rice, marketing 1426, 2942
vegetables, marketing 1448
Insecticide residues
abamectin
cucumbers 799, 813
lettuces 799, 813
acephate, lettuces 812
aldicarb
potatoes 803, 805
Trichosanthes dioica 834
watermelons 775
assessment, grapes 1930
azinphos-ethyl, lettuces 807
azinphos-methyl
apples 804
broccoli 800
cabbages 800
lettuces 807
carbaryl
apples 827
strawberries 827
tobacco 839
carbofuran
faba beans 1317
okras 835
potatoes 803
chlorpyrifos
Capsicum 786
rice 793
tomatoes 811
watermelons 811
chlorpyrifos-methyl
lettuces 807
wheat 643, 1214, 1316
cyanophos
tomatoes 811
watermelons 811
cypermethrin
lettuces 812
rice 1923
Vigna radiata 1925
wheat 1923
DDT
tobacco 839
wheat 344
deltamethrin
hay 1343
rice 1923
wheat 1923
determination 1343
agricultural products 1931-1932
fruits 825, 828
vegetables 825, 828
diazinon
agricultural products 1931
broccoli 800
cabbages 800
lettuces 807
tobacco 839
tomatoes 811, 831
watermelons 811
dichlofenthion
tomatoes 811
watermelons 811
dicofol, tomatoes 831
dimethoate
broccoli 800
cabbages 800
tomatoes 831
N,N-dimethyl-1,2-dithiolan-4-amine, rice 1924
disulfoton
broccoli 800
cabbages 800
Insecticide residues *cont.*
endosulfan
aubergines 810
Cucurbita 815
lettuces 812
tobacco 839
tomatoes 810
EPN, agricultural products 1931
ethion
lettuces 807
tobacco 839
etrimfos
barley 220
wheat 220
fenitrothion
cucumbers 808
grain 1926
tomatoes 811
watermelons 811
fenthion
tomatoes 811
watermelons 811
fenvalerate
okras 809
rice 1923
tomatoes 831
wheat 1923, 2411
HCH, wheat 344
α-HCH, rice 795
heptachlor
onions 829
potatoes 829
sweet potatoes 829
heptachlor epoxide
onions 829
potatoes 829
sweet potatoes 829
lindane, rice 795
malathion
agricultural products 1931
faba beans 345, 1311
lentils 1310
lettuces 807
maize 1312
rice 1312
tobacco 839
wheat 1214
methamidophos
fruits 806
lettuces 812
tobacco 839
tomatoes 831
vegetables 806
methomyl
citrus fruits 1934
lettuces 812
tomatoes 831
methyl bromide
cocoa 1231
faba beans 1318
nectarines 2753-2754
mevinphos, lettuces 812
monocrotophos, okras 809, 833
organophosphorus insecticides
fruits 814
vegetables 814
parathion
broccoli 800
cabbages 800
Capsicum 786
lettuces 807
parathion-methyl, tomatoes 783
permethrin, lettuces 812
phorate, potatoes 2425
phosalone
agricultural products 1931
lettuces 807
phosmet, apples 804
pirimiphos-methyl
barley 220
maize 1315
rice 204
wheat 220, 794, 1313-1314
profenofos, tomatoes 2426
prothiofos, agricultural products 1931
quinalphos, lettuces 807
removal
onions 829
potatoes 829
sweet potatoes 829
tomatoes 831
Insecticide resistance
assessment
Oryzaephilus surinamensis 1768
Plodia interpunctella 1735
Bacillus thuringiensis, *Plodia interpunctella* 622
bioresmethrin, *Rhyzopertha dominica* 1808
chlorpyrifos-methyl
Oryzaephilus surinamensis 202, 628, 1808
Rhyzopertha dominica 218
deltamethrin, *Sitophilus oryzae* 1767
dieldrin, *Tribolium castaneum* 2282
etrimfos, *Oryzaephilus surinamensis* 202
fenitrothion
Cryptolestes 1808
Oryzaephilus surinamensis 202, 628, 1808
Sitophilus oryzae 1808
Tribolium castaneum 1808
lindane
Sitophilus oryzae 1767
Tribolium castaneum 2282
malathion
Oryzaephilus surinamensis 628
Sitophilus oryzae 232, 1767
Tribolium castaneum 201, 1755
permethrin, *Oryzaephilus surinamensis* 202
phosphine
Rhyzopertha dominica 1215
stored products pests 1773
piperonyl butoxide, *Rhyzopertha dominica* 1808
pirimiphos-methyl, *Oryzaephilus surinamensis* 202
stored products pests 640
Insecticides
abamectin, maize 1806
bendiocarb
Sitophilus zeamais 240
Tribolium castaneum 240
bioresmethrin
Rhyzopertha dominica 218
Tribolium castaneum 201
wheat 218
carbamates, *Tribolium castaneum* 1775
carbaryl
Corcyra cephalonica 1799
rice 2737
Sitophilus oryzae 2737
Sitotroga cerealella 2737
Spodoptera litura 1749
Tribolium castaneum 1749
chlorfluazuron
Phthorimaea operculella 1230
potatoes 1230
chlorpyrifos, *Sitophilus zeamais* 1756
chlorpyrifos-methyl
maize 226
Sitophilus zeamais 240, 1756
Tribolium castaneum 187, 201, 240, 1770
Trogoderma granarium 1770
cyfluthrin, *Prostephanus truncatus* 194
α-cypermethrin
Sitophilus zeamais 240
Tribolium castaneum 240
DDT, *Corcyra cephalonica* 1799
deltamethrin
Callosobruchus maculatus 2291
maize 1806
Sitophilus zeamais 240, 2291
Tribolium castaneum 201, 240
diazinon, *Tribolium castaneum* 251
dichlorvos
Coleoptera 2255
Lepidoptera 2255
diflubenzuron, *Sitophilus oryzae* 1771
diuflubenzuron, *Tribolium castaneum* 201
etofenprox, *Tribolium castaneum* 1775
fenitrothion
maize 1806
Sitophilus zeamais 240
stores 1787
Tribolium castaneum 201, 240
fenoxycarb, *Tribolium castaneum* 201
fenvalerate
Corcyra cephalonica 1799
Tribolium castaneum 201, 2263

Insecticides *cont.*
fluvalinate
Coccus viridis 2308
Nipaecoccus nipae 2308
Pentalonia nigronervosa 2308
Planococcus citri 2308
Pseudaulacaspis cockerelli 2308
Pseudococcus affinis 2308
Pseudococcus longispinus 2308
HCH, *Corcyra cephalonica* 1799
α-HCH
Spodoptera litura 1749
Tribolium castaneum 1749
KK-42, *Tribolium castaneum* 1775
lindane
Corcyra cephalonica 1799
Tribolium castaneum 1775
malathion
Plodia interpunctella 181
Sitophilus oryzae 1771
Sitophilus zeamais 240, 1756
Tenebrio molitor 1772
Tribolium castaneum 201, 240
methacrifos, *Tribolium castaneum* 187, 201
methoprene
Cadra cautella 1786
Tribolium castaneum 201
2-methoxy-5-phenyl-1,3,2-oxazaphospholidine-2-sulfide, *Tribolium castaneum* 2733
methyl bromide
Averrhoa carambola 259
Cadra cautella 1726
cherries 313
Cydia pomonella 313
nectarines 1066
Plodia interpunctella 1726
monocrotophos
Sitophilus oryzae 245
Tribolium castaneum 245
neem extracts, *Sitophilus oryzae* 1771
nereistoxin, *Tribolium castaneum* 1775
nicotine, *Tribolium castaneum* 1775
organophosphate insecticides
Callosobruchus maculatus 2291
Sitophilus zeamais 2291
parathion-methyl, *Corcyra cephalonica* 1799
permethrin
Prostephanus truncatus 2719
Sitophilus zeamais 2719
Tribolium castaneum 201
phenothrin, *Tribolium castaneum* 201
pirimiphos-methyl
Callosobruchus maculatus 2268, 2291
maize 226, 1806
Phthorimaea operculella 1230
potatoes 1230
Prostephanus truncatus 2719
Sitophilus zeamais 240, 2291, 2719
Tribolium castaneum 187, 201, 240, 1770
propoxur
Spodoptera litura 1749
Tribolium castaneum 1749
prothiofos
Phthorimaea operculella 1230
potatoes 1230
pyrethrins
Coleoptera 2255
Lepidoptera 2255
Prostephanus truncatus 194
pyrethroids
Callosobruchus maculatus 2291
Sitophilus zeamais 2291
quinalphos, *Tribolium castaneum* 652
resmethrin
Rhyzopertha dominica 218
wheat 218
rotenone, *Tribolium castaneum* 1775
tetrachlorvinphos
rice 2737
Sitophilus oryzae 2737
Sitotroga cerealella 2737
toxicity
Corcyra cephalonica 1799
Tribolium castaneum 2718
Instrumentation
impact
analysis 66, 1567
Instrumentation *cont.*
impact *cont.*
measurement 70-71, 506, 2584
Integrated control
storage decay
apples 1263
potatoes 2340
stored products pests 1204
conferences 948
Intermediate technology (*see* Appropriate technology)
Iris, vase life 754
Irradiation
books 2491
foods 1935
conferences 951
gamma radiation
Anigozanthos manglesii 1233
asparagus 2680
Aspergillus flavus 2311
Aspergillus ochraceus 350, 2311
bananas 306
Banksia hookeriana 1233
Capsicum 604
cauliflowers 1659
Chamelaucium uncinatum 1233
Corcyra cephalonica 1821
foods 770
garlic 595, 606-607
grain 2311
maize 1240
mangoes 606
Nelumbo nucifera 668
oil palms 2875
onions 605-606
Phthorimaea operculella 1833
pineapples 2768
Plodia interpunctella 181, 1840
potatoes 2446, 2682
raisins 1840
Sitophilus oryzae 668
stored products pests 2254
strawberries 562, 1154, 1899
wheat 350
Ziziphus mauritiana 541
infrared radiation
barley 397
wheat 397
ionizing radiation, foods 2145
microwave radiation
Anigozanthos manglesii 1233
Banksia hookeriana 1233
Chamelaucium uncinatum 1233
responses
bananas 2216
potatoes 491
tests
potatoes 2681
strawberries 562
ultraviolet radiation
Acanthoscelides obtectus 2739
bananas 2216
grapefruits 2329
kumquats 2315
oranges 2315
Sitophilus 2739
Tribolium 2739
Italy
apples
marketing 389
storage 389
cut flowers
exports 2965
imports 2965
fruits, marketing 1446, 2475
grain, marketing 2600
ornamental plants
exports 2965
imports 2965
vegetables, marketing 1446, 2475
Ixora, stored products pests, *Coccus viridis* 1232
Japan
cut flowers
imports 1462
marketing 1461, 2963
fruits
handling 64
marketing 1441-1442
grapefruits, imports 908, 924
groundnuts, imports 883
Japan *cont.*
horticultural crops, imports 2954
onions
imports 923
marketing 1972
oranges, imports 2956
pears, marketing 1451
pot plants, marketing 2963
tropical fruits, imports 915
vegetables
handling 64
marketing 1440-1442
Jasminum sambac, fragrance 324
Jerusalem artichokes, silage 1122
Kale
composition, glucosinolates 163
marketing, Netherlands 896
processing, techniques 896
Kenaf
drying, thin layer drying 1529
retting 872
Kenya
horticultural crops, exports 2476
stored products pests 183
Kiwifruits
breeding, storage life 167
composition
iron 2091
organic acids 2091
potassium 2091
cultivars, processing quality 1397
fumigation, sulfur dioxide 2778
fungicides
fosetyl 682
thiophanate-methyl 682
growth regulators, ethylene 1894
mechanical properties 1548
metabolism
amino acids 568
pectins 736, 2346
polysaccharides 736, 2346
starch 1285
sugars 1285
quality 1548, 1911, 2091
standards 55
ripening
biochemistry 736, 1285, 2346
enzymes 1894, 2346
growth regulators 1894
physiology 1198, 2360
storage 574, 1198, 1284-1285, 1911, 2698
storage
biochemistry 568
cold storage 574, 2321
controlled atmosphere storage 585, 1911, 2321
modified atmosphere storage 1191
sulfur dioxide 1266
treatment 574
storage decay 682
Botrytis cinerea 287, 574, 1266, 1867, 2321, 2778-2779
Cochliobolus spicifer 2326
storage quality
environment 1284
harvesting date 1284
mineral oils 2698
Kloeckera apiculata, citrus fruits 283
Kniphofia, geotropism 402
Korea Republic, appropriate technology, driers, rice 978
Kumquats
irradiation, ultraviolet radiation 2315
storage decay, *Penicillium digitatum* 2315
Lablab purpureus, stored products pests, *Callosobruchus maculatus* 1221
Lactobacillus, silage 1615
Laelius pedatus, biochemistry, immunoglobins 623
Lagerstroemia indica, pot plants, transport 78
Lardoglyphus konoi
biology, environmental factors 1205
rearing techniques 1205
Lariophagus distinguendus, hosts 2728
Lasioderma serricorne
control
chemical control 2760
fumigation 1231

Lasioderma serricorne *cont.*
control *cont.*
insecticides 261
copra 2303
ecology, population dynamics 1834
morphology, sensilla 1722
parasitoids, *Pteromalus cerealellae* 1209
pheromones 666, 2762
physiology, sense organs 666
spices 1846
sweet potatoes 1834
tobacco 2760
Latin America
agricultural products, exports 1420
cassava, processing 2910
postharvest systems, rural areas 2937
root crops
processing 2897, 2915, 2919
books 2990
Leeks
cultivars, storage quality 545
storage
controlled atmosphere storage 586
modified atmosphere storage 586
Legislation
aflatoxins, foods 1333
genetic engineering, tomatoes 1465
pesticides, fruits 1345
Legumes, silage 2621
Lemons
metabolism, phytoalexins 1869
storage
cold storage 139, 1641
containers 139
controlled atmosphere storage 585
heat treatment 680, 1869
wrappings 680
storage decay
Alternaria citri 2779
Geotrichum candidum 1641
Penicillium 1641
Penicillium digitatum 680, 1869
Penicillium ulaiense 2330
storage dips
fungicides 1641
growth regulators 680
waxes 680
storage disorders
chilling injury 1641
oleocellosis 1641
stored products pests
Bactrocera tryoni 1641
Ceratitis capitata 1641
Lentils
composition
phenolic compounds 1764
tannins 1764
damage 2032, 2575
friction 1594
handling, damage 2575
insecticide residues, malathion 1310
moisture content 2032, 2166
physical properties 2166
stored products pests, *Callosobruchus chinensis* 1213, 1774
stores
humidity 1594
temperature 1594
Lentinula edodes
driers
convection driers 2062
infrared driers 2062
drying, heat pumps 468
storage
cold storage 1149
cooling 1149
Lepidoglyphus destructor
grain 1763, 1978
grain stores 2257
hay 1763
mills 2257
straw 1763
Lepidoptera
agricultural products 2255
insecticides 2255
sorghum 241
Leptospermum, physiology 1918
Leptosphaeria nodorum, wheat 798
Lettuces
bacteria, contamination 1852, 1857
Lettuces *cont.*
composition
nitrates 818, 2107
nitrites 2107
fungi, contamination 1852
fungicide residues
copper oxychloride 838
mancozeb 838
zineb 838
insecticide residues 807, 812
abamectin 799, 813
pesticide residues, determination 790
storage
controlled atmosphere storage 586
cooling 1076
modified atmosphere storage 586
packing 141
physiology 141
temperature 610
storage decay, *Yersinia enterocolitica* 2424
storage disorders, tipburn 610
yeasts, contamination 1852
Leucadendron
storage, cold storage 758
vase life 758
Leucaena leucocephala
processing, antinutritional factors 376
silage 2619
Leucopogon verticillatus, preservatives 763
Liatris spicata
senescence 2393
vase life 2393
Lilac
preservatives 752
water relations 338, 752
Lilies
preservatives 755
vase life 754
Lilium, cooling, systems 2588
Limes
imports, USA 916
storage, controlled atmosphere storage 585
storage decay 283
Linseed
moisture content, determination 2004
oils, extraction 2442
processing, research 2878
seed cleaners 434
Linum usitatissimum
baling 2445
processing, research 2878
Liposcelis
control, chemical control 1787
rice 1787
Liposcelis bostrychophila, grain 248
Liposcelis bostrychophilus
diets 216
wheat 216
Lippia graveolens, oils, extraction 2930
Listeria monocytogenes, tomatoes 268
Litchi
browning 594, 2550
reviews 2657
composition, anthocyanins 2210
cracking 2550
imports, Japan 915
metabolism, anthocyanins 594
reports, Australia 1470
respiration 1280
ripening, biochemistry 1280, 2806
senescence 2806
storage
biochemistry 594, 2210
cold storage 594
heat treatment 2672
packing 2197
physiology 288
temperature 2197
storage dips, calcium nitrate 2197
storage disorders, browning 2210
stored products pests, *Bactrocera tryoni* 2672
Loaders
grain 498
hay 500
Lolium
drying
nutritive value 2524
temperature 2524
Lolium *cont.*
silage 1618
Lolium multiflorum
green crop fractionation 96
silage 98, 104, 117, 529, 1116, 1598-1599, 2173
Lolium multiflorum* × *Festuca pratensis, silage 2170
Lolium perenne
hay 461, 1605, 2057
silage 529, 1597-1598, 1602-1603, 1605, 1614, 2181, 2614, 2622
Longans
browning 2359
reports, Australia 1470
Loquats
growth regulators
gibberellic acid 2791
NAA 2791
2,4,5-T 2791
ripening, cultivars 2791
Lotus corniculatus, silage 1119
Lucerne
breeding, silage quality 122
composition
nitrogen 122
proteins 370
driers, roller driers 2048
drying
nutritive value 2524
temperature 2048, 2051, 2524
thin layer drying 2051
green crop fractionation 1613
hay 35, 461, 464, 997, 1001-1002, 1343, 2053, 2056-2057, 2119, 2183, 2185, 2191-2192, 2523, 2638
moisture content, determination 2052
protein extraction 357, 2423
radioactivity, decontamination 2423
silage 105, 110-112, 121, 527, 532, 536, 538, 1119-1120, 1130, 1610, 1613, 2170, 2176, 2620, 2623-2624, 2628, 2636
storage quality, assessment 2151
Luffa acutangula
insecticide residues, endosulfan 815
storage, cold storage 2223
storage disorders, chilling injury 2223
Lupins
protein extraction 2423
radioactivity, decontamination 2423
seeds, moisture content 1518
Macadamia
moisture content, determination 1525
sorters 1052
Macrophomina, *Sechium edule* 1150
Macrotyloma uniflorum, stored products pests, *Callosobruchus maculatus* 2287
Madagascar, agricultural products, marketing 2936
Maize
aflatoxins
contamination 206, 1320, 1326-1327, 1329-1331, 1334-1336, 1338-1339, 2405, 2407, 2845, 2859-2860, 2862
determination 1322-1324, 2847, 2860
bins
air flow 2503
drying 2503
breeding, stored products pests 1754, 1758
cleaning
economics 2035
techniques 972
colour 2543
composition
peptides 1216
proteins 1371
cracking 41
crop residues
energy sources 440
processing 358
utilization 2933
cultivars
drying 2506
stored products pests 231, 249, 1744
damage 1216, 1944, 2090
diacetoxyscirpenol, contamination 2868
driers
air flow 2016

Maize *cont.*
driers *cont.*
batch driers 25
continuous driers 25
convection driers 2010
counterflow driers 1511, 2039
cross flow driers 2015
efficiency 2019
fluidized beds 2021, 2025, 2043
mathematical models 10
microwave driers 10, 975, 2010, 2019, 2023
models 2013
drying 2517
ambient air drying 2041
automatic control 435
bins 2039
damage 41
economics 1498
energy conservation 435, 993, 2041
energy consumption 1505, 2043, 2503
energy requirements 437
energy sources 2031
field drying 1331
kinetics 2025
low temperature drying 435-436
moisture content 2021
nutritive value 2524
physical properties 446
pretreatment 1505
simulation models 436, 443, 1498
systems 24, 972
temperature 1517, 2021, 2524
thin layer drying 2506
flow 1590
fumonisins, contamination 348, 2866
fungi, contamination 346, 1326-1327, 1336, 2404-2405, 2413, 2420, 2846, 2865
fungicides
application 1590
benomyl 2765
thiabendazole 2765
grading
farmers' attitudes, USA 40
image processors 1033
hardness 1028, 1371
hay 464
hydration 9
image processors
grading 2090
quality 41
sorting 2543
insecticide residues
malathion 1312
pirimiphos-methyl 1315
insecticides
chlorpyrifos-methyl 226
pirimiphos-methyl 226
irradiation, gamma radiation 1240
marketing
Africa 1435
Ethiopia 1423
India 2946
Malawi 2949
South Africa 2471
Southern Africa 1965
Tanzania 1436-1437
Zambia 2949
Zimbabwe 2469, 2944, 2947, 2949
milling
appropriate technology 853
economics 853
milling quality 2021
mills 1379, 1409, 2439
moisture content 190, 975, 1501, 1590
determination 369, 442, 445, 973-974, 979, 986, 2026, 2512
moniliformin, contamination 348
mycotoxins
contamination 1333, 1337, 2413, 2859, 2865
determination 1321, 2845, 2855, 2858
neosolaniol, contamination 2868
nivalenol, contamination 347-348, 2868
nutritive value, books 2988
ochratoxins
contamination 2857
determination 2857
physical properties 1028

Maize *cont.*
processing
damage 845
economics 1375-1376
employment 1375-1376
steaming 358
techniques 1355, 2880
processing quality 1371
quality 1028, 1032, 1536
books 416
standards
Mexico 1534
USA 1534
residues, reviews 1958
shellers 369, 1383, 1386, 1944, 2441
silage 97, 101, 115-116, 119-121, 485, 524, 526, 532, 534, 1115, 1118-1120, 1125, 1127, 1130-1131, 1393, 1600, 1606, 1611-1612, 1616, 1620, 2169, 2175, 2612, 2615, 2617-2618, 2621, 2624, 2628-2629, 2635, 2637, 2870
sorting, techniques 1537
storage
aeration 523, 677, 1095
cold storage 523, 1095
containers 1778
controlled atmosphere storage 520, 1240, 2311
farm storage 40
heat transfer 1110
humidity 520, 2311
irradiation 1240
moisture content 1238, 1579
nutritive value 520
systems 676, 2949
treatment 677
underground storage 1579
storage decay 676-677, 1240, 2503, 2766
Aspergillus 1235, 1238, 2765
Aspergillus candidus 1579
Aspergillus flavus 206, 2311
Aspergillus flavus var. *columnaris* 1235
Aspergillus ochraceus 2311
fungi 675
Fusarium 1235, 1579
Penicillium 1235, 2765
reviews 1235
yeasts 675
storage losses 2285
storage quality, breeding 2286
stored products pests 638, 1505, 2727
Araecerus fasciculatus 226
Carpophilus 226
Cathartus quadricollus 226
Cryptolestes 226
Cryptolestes ferrugineus 190
Dinoderus distinctus 1750
Ephestia cautella 2272
Mexico 1803
Oryzaephilus surinamensis 206, 2272
Plodia interpunctella 653, 2272
Prostephanus truncatus 192, 194, 198, 225, 649, 1218, 1222-1223, 2297, 2719
reviews 1828
Psocidae 226
Rhyzopertha dominica 199, 206, 1216, 1750, 2272, 2285
Sitophilus 1778
Sitophilus oryzae 206, 231, 236, 249, 2259
Sitophilus zeamais 203, 225-226, 240, 650, 1326, 1744, 1754, 1758, 1806, 2259, 2272, 2286, 2291, 2719
Sitotroga cerealella 206, 1778
Teretriosoma nigrescens 2297
Tribolium castaneum 188, 206, 226, 240, 2272
Tribolium granarium 2285
Trogoderma granarium 199, 206, 1216
T-2 toxin, contamination 2868
transport, systems 384
trichothecenes, contamination 2866
vomitoxin
contamination 347-348, 2420, 2868, 2870
determination 2406

Maize *cont.*
zearalenone
contamination 347-348, 2866, 2868
determination 2853
Maize cobs
driers
heaters 23
mobile units 23
drying, low temperature drying 1088
storage
bins 1088
ventilation 1088
Maize meal, contamination 2867
Malawi, maize, marketing 2949
Malaysia
appropriate technology
processing, coffee 2927
shellers, cocoa 873
cocoa, marketing 1460
Mali
appropriate technology
drying, onions 1009
stores, sweet potatoes 1196
Mandarins
essential oils, extraction 1396
reports, India 2972-2973
ripening, growth regulators 2353
storage
cold storage 1648
packing 2198
temperature 2198
storage decay 277, 283
storage dips, waxes 1648, 2198
storage quality, growth regulators 2193
Mangoes
aroma 489
colour 2798
composition
calcium 2794
lactones 489
cultivars, storage decay 2336
driers, convection driers 2067
drying, kinetics 2067
exports
Caribbean 388
developing countries 2954
India 901, 2477
imports, Japan 915, 2954
irradiation, gamma radiation 606
mechanical properties 2818
metabolism
pectins 2798
polysaccharides 2798
sugars 290
postharvest treatment, Australia 2479
quality 2106, 2677
reports, Australia 407, 1470
ripening
assessment 2817
biochemistry 290, 2798
reviews 2819
cultivars 2798
enzymes 290, 719, 2798
gene expression 1880
growth regulators 1166, 1291
irradiation 606
proteins 1880
storage 587, 1142, 1166, 1887, 2794, 2818
silage 1960
storage
biochemistry 2660
cold storage 1155, 2654, 2818
controlled atmosphere storage 585
heat treatment 663, 1837, 2231, 2654
hot water treatment 1229
physiology 2660
temperature 1142
treatment 1872
storage decay 270, 606, 1859, 2337
Botryodiplodia theobromae 2336
Dothiorella dominicana 284
Glomerella 1166
Glomerella cingulata 1242, 1862, 1872
storage dips
antitranspirants 1142
calcium chloride 1155, 1887
growth regulators 1142, 1166
waxes 587

Mangoes *cont.*
storage disorders
breakdown 2231
chilling injury 1155, 2654
storage quality
nutrition 2677, 2794
ripening 2818
stored products pests
Anastrepha obliqua 663
Anastrepha suspensa 1837
Bactrocera aquilonis 1229
transport, refrigerated transport 2106
yearbooks 2969
Mangosteens
composition, phenolic compounds 1063
handling, damage 1063
storage
cold storage 1836
heat treatment 1228
stored products pests, *Bactrocera dorsalis* 1228, 1836
***Maranta leuconeura*,** pot plants, storage 512
Marketing
agricultural products
Africa 2936
Central Europe 1419
China 1416
developing countries 380, 1418, 2936
Egypt 379
India 2938-2939
Madagascar 2936
Pacific Islands 878-880
USSR 381
apples
Hungary 2959
India 2473-2474
Italy 389
USA 918, 1453
asparagus
Germany 1973
Netherlands 895
bananas, Indonesia 2957
carnations, world markets 935
chicory, Netherlands 894
cocoa
Ghana 1459
Malaysia 1460
Pacific Islands 880, 932
books 954
coconuts, India 1457
coffee
India 933
Pacific Islands, books 954
copra
Pacific Islands 932, 936
books 954
cut flowers
Japan 1461, 2963
USA 1977
Eragrostis tef, Ethiopia 1423
foods, Ghana 1962
fruits
developed countries 1443
European Communities 1450
India 1452
Italy 1446, 2475
Japan 1441-1442
Mediterranean countries 1444
Mexico 2952
Netherlands 1438
Taiwan 1454-1455
USA 1976
world markets 1458
grain
Africa 1435
China 1432-1434, 1969
Ethiopia 1430, 2467
Germany 892
India 2943
Italy 2600
Nicaragua 1425
Tanzania 1436
USA 386
Zimbabwe 2948
groundnuts
India 1422
West Africa 2470
horticultural crops
Hungary 2958
Pacific Islands 2960
kale, Netherlands 896
Marketing *cont.*
maize
Ethiopia 1423
India 2946
Malawi 2949
South Africa 2471
Southern Africa 1965
Tanzania 1437
Zambia 2949
Zimbabwe 2469, 2944, 2947, 2949
melons, USA 1976
millets, Southern Africa 1965
mushrooms, UK 1974
nuts, USA 1976
onions
Japan 1972
USA 1972
pears, Japan 1451
pot plants, Japan 2963
radishes, Netherlands 928
rice
Colombia 1964
Guinea-Bissau 2468
India 383, 2946
Indonesia 1426, 2942
Mexico 2940
roses, Bolivia 2964
sorghum
Australia 2472
Botswana 2941
Southern Africa 1965
spinach, Netherlands 930
sugarbeet, USA 2961
sweet potatoes, USA 1971
tobacco
Brazil 2962
world markets 2962
tropical fruits
European Communities 390
UK 1447
vegetables
China 1439
developed countries 1443
European Communities 1450
Germany 2955
India 1452
Indonesia 1448
Italy 1446, 2475
Japan 1440-1442
Mediterranean countries 1444
Mexico 2952
Netherlands 1438
Taiwan 1454-1455
USA 2951
world markets 1458
wheat
Australia 1968
India 1427, 1966
South Africa 2950
USA 2879
world markets 1428
Mechanical properties (*see* Properties)
Medicinal plants
driers
convection driers 2088
infrared driers 2088
solar energy 2089
drying
costs 2089
solar drying 1025
Mediterranean countries
apricots, marketing 907
citrus fruits, exports 1445
fruits
exports 906
marketing 1444
peaches, marketing 907
vegetables
exports 906
marketing 1444
***Melinis minutiflora*,** hay 457
Melons
colour 2097
composition
amino acids 2656
sugars 735, 2656
cultivars
consumer preferences 2097
storage life 1704
flavour 2097
Melons *cont.*
fungicide residues
copper oxychloride 838
imazalil 1267
mancozeb 838
zineb 838
fungicides, imazalil 1638
grading, acoustics 1550
insecticide residues, endosulfan 815
marketing, USA 1976
maturity 44, 1048, 1557
metabolism, pectins 2356
physical properties 2560
processing, techniques 1411
ripening
enzymes 718, 735, 2345, 2356, 2379-2380
molecular genetics 2379-2380
seeds
extraction 1411
shelling 859
shape 2097
storage
biochemistry 2656
cold storage 547
containers 1638
controlled atmosphere storage 586
hot water treatment 1638, 2319
modified atmosphere storage 586, 1172, 2132
packing 1172, 2132
wrappings 1638
storage decay
Alternaria alternata 1267
Fusarium 1267
storage dips
fungicides 1267
sucrose esters 130
waxes 1267
storage life, cultivars 1704
stored products pests, *Bactrocera cucurbitae* 2305
wounds 2802
Mentha spicata
drying
pretreatment 2084
temperature 2084
***Metroxylon*,** conferences 412
Mexico
fruits
exports 919
imports 919
marketing 2952
grain, quality, standards 1534
quarantine, insects, pawpaws 1227
rice, marketing 2940
vegetables, marketing 2952
***Microdochium dimerum*,** bananas 282
Microorganisms, control, storage decay, horticultural crops 2333
Millets
marketing, Southern Africa 1965
stored products pests 2727
Coleoptera 1795
Milling
appropriate technology, grain 853, 1939, 2518
economics
grain 853
sorghum 2985
wheat 2879
energy consumption
rice 1390
wheat 1381
moisture content, rice 1392
optimization, soyabeans 2444
responses, *Pennisetum glaucum* 1357
techniques
mustard 2462
Pennisetum glaucum 360
rice 2437
sorghum 1356, 1363
technology transfer, sorghum 1358
Milling quality
maize 2021
rice 1384, 1392, 1938, 1940-1941, 2009
sorghum 1353
wheat 848, 2886
Mills
agricultural products 2435
grain 1385, 2438-2439, 2518, 2884

Mills *cont.*
maize 1379, 1409
pigeon peas 855
research 368
rice 1239, 1384, 1388-1390, 1392, 1945
sorghum 364, 1379
soyabeans 2881
wheat 1379, 1381
Models
mathematical models
air flow, hay 1002
chilling, horticultural crops 2699
cleaning, grain 21
coolers, grain 2162
cooling, peaches 1074
cracking, tomatoes 2558
damage
fruits 1080
vegetables 1080
dielectric constant, rice 1103
drying
agricultural products 1
aubergines 1015
bananas 2068
barley 1499
Canavalia 2075
grain 11-12, 989, 1508, 1516, 2012, 2018, 2022, 2047
hay 33, 460, 2049
maize 10, 446, 2016
onions 1005
persimmons 466
pigeon peas 2502
pineapples 2065
radishes 2533
rice 985, 996, 1507, 2014
soyabeans 987
sweet potatoes 474
wheat 1506
Ziziphus sativa 467
flow, grain 1092, 1100
gas exchange
cherries 503
horticultural crops 504
tomatoes 503
grain driers 432
green crop fractionation, fodder 2888
heat transfer
grain 2606
maize 1110
sorghum 1102
hulling, faba beans 1380
loads, wheat 2148
losses, haymaking 999-1000
modified atmosphere storage 1057
moisture content
grain 2044
sorghum 1101
oxygen, silos 2312
pest control, heat treatment 624
resistance to air flow, wheat 87
respiration, bananas 1161
rice, drying 2513
ripening, tomatoes 739
separation, soyabeans 434
separators 2500
shelling, maize 1386
temperature, wheat 2165
thermal analysis, potatoes 2705
vase life, cut flowers 754
physical models
acoustic properties
fruits 1550
potatoes 1550
simulation models
cooling, pummelos 74
design, grain driers 444
driers, maize 2013
drying
agricultural products 2
buckwheat 450
carrots 2059
cocoa 2078
fruits 2067
grain 18, 435, 443, 1514-1515
hay 2053, 2056-2057
maize 436, 1498, 1511
medicinal plants 1025
rice 2046
soyabeans 1496
wheat 982
Models *cont.*
simulation models *cont.*
flow, grain 1091
haymaking 2189
mechanical properties, wheat 2886
microorganisms, silage 526
moisture
absorption 1492
adsorption 2006
moisture content, tobacco 2081
population dynamics
stored products pests 1801
Tribolium confusum 2738
separators, seeds 2002
silage making 2189
sorting, fruits 492
storage
maize 523, 1095
rice 523
Moisture content
determination
agricultural products 445
buckwheat 2007
cassava 1527
cotton 1412
cottonseed 448
fruits 401
grain 17, 20, 428, 1518, 1535
grasses 459
groundnuts 442, 962, 1492, 1520, 2026, 2515
hay 459
linseed 2004
lucerne 2052
Macadamia 1525
maize 369, 442, 973-974, 979, 986, 2026, 2512
nuts 428
oats 2008
onions, seeds 1493
pecans 442
rapeseed 6, 2004
rice 1493
silage 459
Sinapis alba 2004
soyabeans 442, 986, 990, 1493
tobacco 2081
wheat 442, 960, 991, 2022, 2037, 2042, 2514
Ziziphus sativa 1526
Moisture meters
electrical moisture meters
cotton 1412
Macadamia 1525
maize 974
wheat 960
impedance, agricultural products 445
infrared moisture meters, grasses 1521
microwave radiation
agricultural products 428, 445
Macadamia 1525
tests, grain 20
Moldova, pears, storage, systems 1662
Momordica charantia
storage, cold storage 2223
storage disorders, chilling injury 2223
Moniliformin, contamination, maize 348
Monilinia fructicola, cherries 2777
Monilinia fructigena, pears 1261
Monilinia laxa, pears 1261
Morocco, citrus fruits, exports 904
Mucor
cherries 2777
wheat 1847
Mucor mucedo, tomatoes 1856
Mucor piriformis
pome fruits 287
stone fruits 287
Mucuna pruriens
fungi, contamination 708
storage, humidity 708
Mulberries, leaves, drying 1023
Mushrooms (*see also* Edible fungi)
aroma 566, 2213
bruising 2230
composition, volatile compounds 2213
cooling
heat transfer 1628
mass transfer 1628
precooling 1628
Mushrooms *cont.*
driers
convection driers 2530
infrared driers 2530
drying
desiccants 431
electrical treatment 2532
heat pumps 431
infrared radiation 1014
thin layer drying 1014
handling, damage 2230
marketing, UK 1974
metabolism, volatile compounds 566
postharvest treatment, India 1980
storage
additives 2240
biochemistry 566, 2213
controlled atmosphere storage 586, 1175
cooling 1076
modified atmosphere storage 65, 504, 586, 2240
packing 2240
temperature 2213, 2230
storage quality
handling 1672
nutrition 2213
Mustard
composition, glucosinolates 163
milling, techniques 2462
physical properties 2462
processing
economics 2434
equipment 2434
storage
heat storage coefficients 1098
packing 172
temperature 172
stored products pests, *Corcyra cephalonica* 1220
Myagrum, oils, extraction 2442
Mycotoxins (*see also* Acetyldeoxynivalenols; Aflatoxins; Diacetoxyscirpenol; HT-2 toxin; Neosolaniol; Nivalenol; Ochratoxins; Patulin; Sterigmatocystin; Trichothecenes; Vomitoxin; Zearalenone)
contamination
agricultural products 1305
barley 2865
dried fruit 1333
feeds 2840
foods 2840
reviews 2842
grain 24, 1333, 1337, 2408, 2418, 2864
conferences 1479
maize 2413, 2859, 2865
oilseeds 1333
potatoes 2865
spices 1333
sugarbeet 2427
determination
foods 1322, 2839
groundnuts 1321
maize 1321, 2845, 2855, 2858
inactivation
feeds 2838
foods 2838
production, *Gibberella fujikuroi* 2859
reviews 1920
Mycovellosiella cucurbiticola, *Sechium edule* 1151
Myrciaria dubia, composition 2822
Narcissus, vase life 754
Necrobia rufipes, copra 2303
Nectarines
handling, techniques 502
insecticide residues, methyl bromide 2753-2754
insecticides, methyl bromide 1066
metabolism
alcohols 1160
calcium 2812
pectins 2355
ripening
biochemistry 2355, 2812
enzymes 301, 737
histology 296
physiology 1891
storage 145, 1891, 2355, 2642

Nectarines *cont.*
ripening *cont.*
temperature 709, 715, 2233
storage
biochemistry 301, 737
cold storage 296, 709, 715, 737, 1066, 1891, 2233, 2642
controlled atmosphere storage 145, 540, 542, 585, 1160, 1176, 2644
cooling 540
heat treatment 2300
physiology 1891
treatment 1066
storage disorders 542
breakdown 1176
chilling injury, reviews 2199
flesh browning 709, 715
internal browning 540, 2300
reddening 1176
scald 2300
woolliness 296, 540, 709, 715, 2233, 2300, 2355, 2642, 2812
reviews 2232
storage quality, size 709
stored products pests
Cydia pomonella 2753-2754
Thrips 2300
USA 256
transport
damage 1079
refrigerated transport 1079
systems 1066
Nectria galligena, fungicide tolerance, thiabendazole 702
Nectria radicicola, potatoes 702
Nelumbo nucifera, stored products pests 668
Neosolaniol
contamination, maize 2868
determination, rice 2427
Nerium oleander, stored products pests, *Pseudaulacaspis cockerelli* 1232
Netherlands
asparagus, marketing 895
chicory, marketing 894
fruits
exports 911
marketing 1438
grapefruits, imports 908, 924
kale, marketing 896
radishes, marketing 928
spinach, marketing 930
vegetables
exports 911
marketing 1438
New journals, horticulture 2478
Nezara viridula, avocados 1841
Nicaragua, grain, marketing 1425
Nigeria, vegetables, postharvest treatment 2967
Nipaecoccus nipae
control, chemical control 2308
cut flowers 2308
Niptus hololeucus, taxonomy, keys 1724
Nitidulidae
biology, migration 664
dried fruit 664
Nitrates
composition
lettuces 818
potatoes 1185, 1697
vegetables 802, 2107
storage, potatoes 1693
Nitrites, composition, vegetables 2107
Nivalenol
contamination
barley 2849, 2863
grain 347
maize 348, 2868
wheat 2849, 2863
production, *Gibberella zeae* 2849
Norway, vegetables, research 417
Nosema whitei
hosts
Tribolium castaneum 1206
Tribolium confusum 1737-1738
Nuts
aflatoxins, contamination 2845, 2872
marketing, USA 1976
moisture content, determination 428
stored products pests, India 212
Oats
composition
cadmium 1340
lead 1340
drying, moisture, sorption 2005
fumigants, methyl bromide 2154
moisture content, determination 1518, 2008
nivalenol, contamination 347
ochratoxins, contamination 2417
processing, steaming 358
seed cleaners 5
seed germination 82
silage 107, 110, 119
storage
cold storage 82
containers 82
storage decay
Aspergillus 1236
Penicillium 1236
vomitoxin, contamination 347
zearalenone, contamination 347
Oceania
fruits, exports 902-903
vegetables, exports 903
Ochratoxins
contamination
barley 2417
coffee 2874
maize 2857
oats 2417
rye 2417
wheat 350, 2417, 2856
determination
foods 2837
maize 2857
wheat 2856
production
Aspergillus ochraceus 350
Penicillium 2857
Ocimum basilicum
drying
pretreatment 2084
temperature 2084
Oil palms
irradiation, gamma radiation 2875
oils, extraction 2428
processing quality 2875
reports, India 1472
Oil plants
oils, extraction 1936
processing, techniques, books 2992
Oils
extraction
books 2992
Citrullus colocynthis 1400
coconuts 2449
Coriandrum sativum 2931
groundnuts 2430, 2436
Hevea 1400
linseed 2442
Lippia graveolens 2930
Myagrum 2442
oil palms 2428
oil plants 1936
olives 366-367
rape 2882
rapeseed 844, 1352, 2442
sesame 1943
soyabeans 363, 1350, 2440
sunflower seeds 854, 2442, 2885
processing, books 421, 2992
specific heat, rice 365
Oilseeds
aflatoxins, contamination 1332, 1334
drying, moisture, sorption 2005
flow 92
mycotoxins, contamination 1333
postharvest treatment, India 2157
processing, techniques, books 2992
reports, Canada 2482
Okras
cultivars, storage 1170
insecticide residues
carbofuran 835
fenvalerate 809
monocrotophos 809, 833
storage
cold storage 1170
controlled atmosphere storage 586
modified atmosphere storage 586
Okras *cont.*
storage *cont.*
packing 1170
storage decay 1170
storage disorders, chilling injury 1170
Olives
exports 922
metabolism, oils 2220
oils, extraction 366-367
pesticide residues, determination 790
ripening
biochemistry 2796
enzymes 2796
storage
cold storage 2220, 2658
controlled atmosphere storage 585, 2220, 2658
Onions
aflatoxins, contamination 343
aroma 569
bruising 2136
cleaners 1011
composition
organic acids 2096
phytoalexins 1249
sulfur 2096
volatile compounds 569
cultivars, storage 133
defoliation 507
dormancy 539
drying
energy consumption 2072
freeze drying 2061
heat pumps 2072
systems 1009
vacuum drying 1005, 2061
exports, USA 923
flavour 2096, 2100
growth regulators, abscisic acid 1249
handling, damage 2120, 2136
imports
Canada 923
Japan 923
insecticide residues
heptachlor 829
heptachlor epoxide 829
removal 829
irradiation, gamma radiation 605-606
marketing
Japan 1972
USA 1972
metabolism, sugars 137
postharvest systems 2966
processing
equipment 1950
peeling 1950
seeds, moisture content 1493
sprout inhibition 606, 1249
sprouting 133, 1249
storage
biochemistry 137
cold storage 133, 577, 611, 2653
controlled atmosphere storage 577, 586, 691, 2653
cultivars 2676
heat treatment 1861, 2771
humidity 133, 2771
irradiation 605-606
modified atmosphere storage 586
physiology 539
sulfur dioxide 1861
systems 929
temperature 133, 2771
storage decay 133, 606, 691, 1249, 2653
Aspergillus niger 577, 1247, 1861, 2313, 2771
Botrytis allii 1870
Botrytis cinerea 1247
Fusarium oxysporum f.sp. *cepae* 2313
Pseudomonas aeruginosa 2313
storage quality
drying 611
sowing date 553
stored products pests
Atherigona orientalis 2313
Carpophilus obsoletus 2313
Delia antiqua 2313
Opogona sacchari
control 257
yams 257
Optical properties (*see* Properties)

Oranges
composition
ascorbic acid 564
carotenoids 2464
organic acids 564
pectins 2464
sugars 564
crop residues, composition 2464
exports 917
USA 912, 925, 1449, 2956
flavour 1671
handling, damage 2121
imports
Canada 925
European Communities 925
Hong Kong 925
Japan 2956
Singapore 925
irradiation, ultraviolet radiation 2315
metabolism
alcohols 1644
proteins 714
ripening
biochemistry 714
gene expression 714
growth regulators 714
storage
cold storage 1644
controlled atmosphere storage 585
heat treatment 680, 1156
modified atmosphere storage 1197
packing 2328, 2773
physiology 1671
treatment 2773
wrappings 680, 1156
storage decay 283, 2328, 2773
Alternaria citri 1644
Penicillium 1868
Penicillium digitatum 1156, 1644, 2315
Penicillium italicum 1644
Penicillium ulaiense 2330
storage dips
fungicides 591, 2328
waxes 591, 1156, 1671
storage disorders
chilling injury 1644
rind pitting 1156
stem-end rind breakdown 1156
storage quality, fertilizers 564
stores
building construction 549
cold stores 549
insulation 549
Orchidaceae, stored products pests, Hemiptera 2308
Organic farming
marketing, horticultural crops 2958
storage quality, apples 2196
Origanum majorana
composition
essential oils 2115
terpenoids 2115
flavour, assessment 2115
Ornamental bulbs
fumigants, methyl bromide 2763
storage, temperature 2309
stored products pests
Phenacoccus 2763
Phenacoccus avenae 2309
Rhizoglyphus 2763
Thrips simplex 2763
Ornamental plants
cold, responses 396, 757
conferences 414
cut flowers, storage 617
exports, Italy 2965
imports, Italy 2965
pot plants
storage 617
storage quality 614
senescence, reviews 766, 769
storage, cooling 1986
transport, refrigerated transport 513
Orophia ammopleura
Protea laurifolia 2307
Protea neriifolia 2307
Oryzaephilus mercator
control, fumigation 1231
groundnuts 1827
pheromones 647
Oryzaephilus mercator *cont.*
sorghum 2270
Oryzaephilus surinamensis
biochemistry, enzymes 628
biology, behaviour 202, 1795, 2284
control, chemical control 204, 2272
copra 2303
diets 202
grain 2264
groundnuts 1823
insecticide resistance
assessment 1768
chlorpyrifos-methyl 202, 628, 1808
etrimfos 202
fenitrothion 202, 628, 1808
malathion 628
permethrin 202
pirimiphos-methyl 202
insecticides, toxicity 220
maize 206, 2272
millets 1795
monitoring, traps 2284
plant extracts
attractants 2284
effects 1766
rice 204
sorghum 2270
traps, pitfall traps 1795
wheat 2272
Oxygen, determination, apples 143
Pacific Islands
agricultural products, marketing 878-880
cocoa
marketing 932
books 954
coffee, marketing, books 954
copra
marketing 932, 936
books 954
horticultural crops, marketing 2960
Packhouses
pears 1250
tomatoes 1072
Packing
automation, tomatoes 1072
containers
broccoli 67
lemons 139
pest control 1778
damage
apples 66, 72, 506, 1565-1566
tomatoes 45
equipment
potatoes 1568
rice 2158
materials 495
apples 73, 572
broccoli 67
fruits 1069, 2123
horticultural crops 1707
pears 73
pest control 625
vegetables 1069, 2123
quality controls, fruits 69
techniques
apples 2959
cherries 503
chicory 894
horticultural crops 2132
nectarines 502
peaches 153, 502
spices 1957
tobacco 508
tomatoes 503
wrappings, peas 2694
Paecilomyces variotii
cherries 2780
control, storage decay, horticultural crops 2779
Paeonia
preservatives 2251
vase life 2251
Pakistan
potatoes, stores 1195
wheat, grading, techniques 1540
Palm kernels
handling, mechanization 2583
handling machinery 2583
processing, equipment 1409
Panama
cassava, processing 2902
Panama *cont.*
potatoes, processing 2901
Panax pseudoginseng
driers, tests 2085
growth regulators
daminozide 2403
ethephon 2403
ethylene 2403
uniconazole 2403
ripening, growth regulators 2403
sorting, automation 2085
storage, cold storage 2085
Panax quinquefolius
drying, systems 1979
storage, systems 1979
Panicum miliaceum
drying, moisture, sorption 2005
processing quality 851
Papaver somniferum
storage
moisture content 2147
temperature 2147
Paraguay, appropriate technology, presses, oilseeds 2442
Parsley
composition
nitrates 2107
nitrites 2107
insecticide residues, diazinon 1931
senescence 1298
storage
controlled atmosphere storage 586
modified atmosphere storage 586
Parthenium argentatum
handling machinery 2589
seed cleaners 2541
transport, road transport 2589
Passiflora, imports, Japan 915
Passion fruits
composition, sugars 2215
imports, Japan 915
storage
cold storage 2215
duration 2215
temperature 2215
storage decay, *Phomopsis tersa* 703
Patulin
contamination
apples 1344
fruits 2873
Pawpaws
colour 576
fungicides
benomyl 1252
carbendazim 1252
streptomycin 1252
tetracycline 1252
growth regulators
ethylene 2244
NAA 1254
imports, Japan 915
reports, Australia 1470
ripening
biochemistry, reviews 2819
growth regulators 2244
storage 576, 2244
storage
controlled atmosphere storage 576, 585
hot water treatment 1254
humidity 1254
modified atmosphere storage 2244
packing 576
treatment 1227
storage decay 270, 1227
Alternaria alternata 1254
Ascochyta caricae 2776
Aspergillus flavus 1254
Botryodiplodia theobromae 2776
Fusarium equiseti 1254
fusarium solani 2776
Geotrichum candidum 2782
Gibberella fujikuroi 2782
Glomerella cingulata 1254, 2776
Phomopsis 2776
Rhizopus oryzae 1254, 2782
Rhizopus stolonifer 271
Ulocladium chartarum 1252
stored products pests 1844
insects 1227

Peaches
- aroma 723, 2352
- bruising 2122, 2457
- colour 593, 2562
- composition
  - amino acids 2816
  - calcium 2816
  - nitrogen 2816
  - volatile compounds 723
- cooling
  - economics 1563
  - heat transfer 1074
- cultivars, storage quality 149, 2688, 2813
- driers, solar energy 1012
- electrical properties 1054
- exports
  - Chile 2953
  - Greece 905
- flavour 2352
- graders 1043
- grading
  - image processors 1043, 2562
  - techniques 1553
- growth regulators, ethylene 2372
- handling
  - damage 2122, 2125
  - techniques 502
- marketing, Mediterranean countries 907
- maturity 593, 1547, 2352, 2562, 2664, 2813
- mechanical properties 153, 593, 2349
- metabolism
  - ascorbic acid 132
  - sugars 132, 593
  - volatile compounds 2664
- packing, techniques 153
- physical properties 1895
- processing, techniques 907
- processing quality 2457, 2692, 2890
- quality 1054
- ripening
  - biochemistry 723
  - cultivars 2349
  - enzymes 322, 737, 1274, 2795, 2811
  - gene expression 2372
  - growth regulators 2372
  - maturity 2352
  - physiology 1895
  - storage 145, 593, 2352
- sorters 2562
- storage
  - biochemistry 737
  - cold storage 153, 593, 737, 2352, 2664, 2813, 2816
  - controlled atmosphere storage 132, 145, 585
  - cooling 1074, 1563
  - modified atmosphere storage 153
  - packing 153
  - physiology 2813, 2816
  - temperature 2816
- storage decay 153
- storage disorders 287
  - breakdown 2813
  - chilling injury 1144
    - reviews 2199
  - woolliness 2813
    - reviews 2232
- storage quality, cultivars 2692

Pears
- aroma 1153
- bruising 2457
- composition
  - amino acids 131
  - calcium 1244
  - nitrogen 1244
  - sugars 1890
- cultivars
  - processing 2893
  - ripening 1886
  - storage 584, 2814
- drying, systems 2529
- electrical properties 1054
- exports, Chile 2953
- flavour 1153, 2679
- fumigants, methyl bromide 2451, 2647
- marketing, Japan 1451
- maturity 2814
- metabolism
  - polysaccharides 2808
  - volatile compounds 2679

Pears *cont.*
- packhouses 1250
- packing, materials 73
- processing quality 2457
- quality 1054
- ripening
  - biochemistry 1890, 2808
  - cultivars 1886
  - enzymes 1890, 2799
  - growth regulators 297
  - physiology 711, 2799
  - storage 138, 2679
- storage
  - controlled atmosphere storage 131, 138, 584, 589, 1153, 1168, 1683, 2644, 2647, 2679, 2706
  - ethylene 2679
  - physiology 138, 2799
  - systems, Moldova 1662
  - temperature 2451
- storage decay 1244, 1261, 1689
  - *Penicillium expansum* 1246
  - *Phialophora malorum* 1250
  - *Phytophthora syringae* 1251
- storage dips, antioxidants 1683
- storage disorders 584
  - brown core 1153
  - brownheart 2814
  - internal browning 2814
  - scald 1153, 1683, 2647, 2814
- storage quality
  - assessment 2814
  - harvesting date 1689
  - maturity 1689
- stored products pests, Acari 2451
- transport
  - damage 1079
  - refrigerated transport 1079

Peas
- composition
  - ascorbic acid 2694
  - chlorophyll 148
  - proteins 148
  - sugars 148
- cultivars, storage quality 2694
- damage 2575
- drying
  - freeze drying 2061
  - vacuum drying 2061
- handling, damage 2575
- mechanical properties 497
- moisture content, determination 1518
- packing, wrappings 2694
- protein extraction 2423
- radioactivity, decontamination 2423
- seed cleaners 1035
- silage 119, 1599
- sorters 1035
- storage
  - controlled atmosphere storage 148, 586
  - modified atmosphere storage 586
  - moisture content 2694
- storage decay
  - *Alternaria alternata* 1254
  - *Aspergillus flavus* 1254
  - *Fusarium equiseti* 1254
  - *Glomerella cingulata* 1254
  - *Rhizopus oryzae* 1254
- storage quality, cultivars 2694
- stored products pests
  - *Callosobruchus maculatus* 2287
  - *Sitophilus oryzae* 208

Pecans
- conferences 1988
- grading, consumer preferences 1544
- moisture content, determination 442, 445

Pelargonium, vase life 2836

Pelargonium domesticum, pot plants, storage quality 618

Penicillium
- coffee 2874
- foods 2842
- lemons 1641
- maize 677, 1235, 2413, 2765, 2857
- oranges 1868
- *Physalis peruviana* 2666
- pomegranates 1003
- reviews, Southern Africa 265
- sorghum 222
- strawberries 1653

Penicillium *cont.*
- sunflower seeds 670
- triticale 2594

Penicillium brevicompactum, grain 1236

Penicillium citreonigrum, foods 1301

Penicillium citrinum
- foods 1301
- maize 1327
- *Mucuna pruriens* 708
- wheat 1847
- yams 2327

Penicillium crustosum, foods 1301

Penicillium digitatum
- citrus fruits 1863
- grapefruits 1631, 2329
- kumquats 2315
- lemons 680, 1869
- oranges 1156, 1644, 2315
- pummelos 680

Penicillium expansum
- apples 280, 683, 706, 1171, 1344
- fruits 1246
- pears 1261
- plums 2674
- sugarbeet 2789

Penicillium funiculosum, pineapples 272

Penicillium glabrum
- grain 1236
- pineapples 274

Penicillium islandicum, foods 1301

Penicillium italicum
- citrus fruits 1863
- grapefruits 1660
- oranges 1644

Penicillium purpurogenum, pineapples 2768

Penicillium roquefortii, grain 1236

Penicillium steckii, cocoa 707

Penicillium ulaiense, citrus fruits 2330

Penicillium verrucosum
- foods 1301
- wheat 2511

Pennisetum americanum
- stored products pests
  - *Cadra cautella* 2294
  - *Cryptolestes* 2294
  - *Rhyzopertha dominica* 2294
  - *Sitotroga cerealella* 2294
  - *Tribolium castaneum* 2294

Pennisetum glaucum
- books 958
- composition, flavonoids 1357
- conferences 1478
- hulling 1354
- milling
  - responses 1357
  - techniques 360
- processing, techniques 1359
- quality 1027
- storage quality, assessment 1357
- stored products pests, *Trogoderma granarium* 2724

Pennisetum purpureum, silage 99, 528, 531, 1596

Pentalonia nigronervosa
- control, chemical control 2308
- cut flowers 1232, 2308

Peronospora parasitica, cauliflowers 1264

Persimmons
- colour 565
- composition, tannins 1712
- drying
  - moisture content 2070
  - sorption isotherms 466
- electrical properties 1054
- flavour 565
- growth regulators, gibberellic acid 1259
- processing, peeling 2070
- quality 1054
- ripening
  - enzymes 1276
  - growth regulators 297
- storage
  - cold storage 2646
  - controlled atmosphere storage 585, 1259
  - modified atmosphere storage 2646
  - packing 1712
  - systems 1712
  - temperature 565
  - treatment 2648
- storage decay, *Alternaria alternata* 1259

Peru
potatoes, processing 2906, 2916, 2920
sweet potatoes, processing 2907
Pestalotia mangiferae, fruits 2337
Pestalotia psidii, fruits 2337
Pestalotiopsis psidii, feijoas 1265
Pesticide residues
assessment
foods 341-342, 772, 781
fruits 352, 816
grain 1319
vegetables 352, 816
carbamates 1309
carbofuran, tomatoes 1929
chlorpropham, potatoes 832
chlorpyrifos, potatoes 832
conferences 949, 1481
consumer attitudes, tomatoes 819
databases, foods 775, 777
determination 782, 786-787, 1309
foods 773-774, 778, 790
fruits 1308
grain 1308, 1928, 2419
tomatoes 1929
vegetables 1308
dichlorvos, potatoes 832
foods 1481
irradiation, foods 770
lead arsenate
apples 2871
apricots 2871
legislation, foods, Denmark 785
monitoring
agricultural products 789
foods 771, 776, 779-780
fruits 806, 1345-1346
vegetables 806, 1346
processing, foods 783
pyrethrins, potatoes 832
removal 792
potatoes 832
reviews, foods, tropics 791
Pesticides
application, stored products pests 627
legislation, agricultural products, UK 788
Petroselinum crispum* subsp. *tuberosum
composition
nitrates 2107
nitrites 2107
Petunia
growth regulators, ethylene 2401
senescence 1915, 2401
Pezicula alba, apples 287, 1690
Pezicula malicorticis, apples 280, 1171, 1690
Phacidiopycnis pyre, pears 1261
Phalaenopsis, senescence 768
Phalaris arundinacea
hay 461, 2626
silage 2626
Phalaris canariensis, drying, moisture, sorption 2005
Phaseolus
storage
controlled atmosphere storage 586
modified atmosphere storage 586
Phaseolus coccineus, stored products pests, *Acanthoscelides* 234
Phaseolus lunatus
aflatoxins, contamination 343
stored products pests, *Zabrotes subfasciatus* 221
Phaseolus vulgaris
breeding, stored products pests 1757
cultivars, stored products pests 223-224
driers, convection driers 2011
drying, conditioning 2011
fungicide residues, tolclofos-methyl 1341
handling, damage 1560
physical properties 1111
processing quality 847
reports, UK 1471
sorting, damage 1538
storage
heat transfer 1111
treatment 1582
storage decay 2767
stored products pests
Acanthoscelides 234
Phaseolus vulgaris *cont.*
stored products pests *cont.*
Acanthoscelides obtectus 239, 639, 645, 648, 1217, 1732, 1747, 1789
Callosobruchus chinensis 1736, 1742, 1757
Callosobruchus maculatus 1736, 1741, 2287
Mexico 1803
Zabrotes subfasciatus 221, 223-224, 645, 1789, 2751
Phenacoccus
control, fumigation 2763
ornamental bulbs 2763
Phenacoccus avenae, ornamental bulbs 2309
Phialophora malorum, pears 1250
Philodendron bipinnatifidum, pot plants, storage 512
Phleum pratense
hay 461, 1605, 2119, 2185
silage 537, 1126, 1601, 1605, 2170, 2625
Phloeonomus
Protea laurifolia 2307
Protea neriifolia 2307
Phoma, potatoes 1698, 2243
Phoma exigua* var. *foveata
fungicide tolerance, thiabendazole 702
potatoes 702
Phoma solanicola, potatoes 689
Phomopsis
avocados 278
grapefruits 1636
pawpaws 2776
Phomopsis tersa, passion fruits 703
Phradonoma nobile, grain 1820
Phthorimaea, potatoes 1230
Phthorimaea operculella
biology
development 2755
environmental factors 1833
control
analysis 2302
biological control 1839
chemical control 1230
plant extracts 1230, 2301
insecticides
chlorfluazuron 1230
pirimiphos-methyl 1230
prothiofos 1230
plant extracts, toxicity 2306
potatoes 659, 1835, 1839, 2301-2302, 2304, 2306, 2755
Phyllanthus emblica, storage decay 2332
Physalis peruviana
storage, cold storage 2666
storage quality, maturity 2666
Physical properties (*see* Properties)
Phytophthora cactorum, apples 1253
Phytophthora infestans, potatoes 686, 701
Phytophthora melonis, cucumbers 2341-2342
Phytophthora syringae, pome fruits 1251
Pichia kluyveri, citrus fruits 283
Pigeon peas
cultivars, stored products pests 2749
drying
mathematical models 2502
moisture content 2502
temperature 2502
mills 855
storage, containers 247
stored products pests, *Callosobruchus chinensis* 200, 233, 247, 1812, 2749
Pimenta dioica, postharvest treatment, reviews 1957
Pimpinella anisum
stored products pests
Lasioderma serricorne 1846
Stegobium paniceum 263
Pineapples
drying, thin layer drying 2065
exports 917
developing countries 2954
imports
Japan 915, 2954
USA 916
irradiation, gamma radiation 2768
quality 487
reports, Australia 1470
Pineapples *cont.*
storage
controlled atmosphere storage 585
irradiation 2768
storage decay 270, 272, 274, 2768
Ceratocystis paradoxa 273
storage dips, sucrose esters 130
storage disorders 272
Piper nigrum
composition
amides 2540
phenolic compounds 2540
drying, solar drying 2540
Pistachios, aflatoxins, contamination 2845, 2872
Pittosporum tenuifolium, vase life 759
Planococcus citri
control, chemical control 2308
cut flowers 2308
Planotortrix octo
apples 1838
control, controlled atmospheres 1838
Platynota stultana, nectarines 256
Pleurotus
storage
cold storage 1149
cooling 1149
Plodia interpunctella
biochemistry, moulting hormones 1793
biology
behaviour 2744
development 653, 1809
diapause 1726
reproduction 182
control
biological control 255
chemical control 2272
gamma radiation 1840
diets 2744
gamma radiation, effects 181
grain 1735
groundnuts 653, 1827, 2744
hazelnuts 653
insecticide resistance
assessment 1735
Bacillus thuringiensis 622
insecticides, effects 181, 1726
maize 653, 2272
pathogens 1790
physiology
hormones 2274
reproduction 620
plant extracts, effects 1791
raisins 255, 1840
toxins, toxicity 1805
walnuts 1832
wheat 653, 2272
Plums
composition
calcium 2203
magnesium 2203
nitrogen 2203
organic acids 1642-1643
pectins 1642
phenolic compounds 1643
phosphorus 2203
potassium 2203
sugars 1642-1643
cultivars, handling 2129
flavour 1643
mechanical properties 1642
processing, techniques 1989
respiration 2217
ripening
cultivars 2217
growth regulators 297
storage 145, 2217
sorting, image processors 1556
storage
cold storage 1643
controlled atmosphere storage 145, 585, 1642-1643, 2644
packing 2219
physiology 2217
systems 1989
storage decay
Aspergillus niger 2674
Penicillium expansum 2674
Rhizopus stolonifer 2674
storage disorders 287
breakdown 145

Plums *cont.*
storage disorders *cont.*
gel breakdown 2203
storage quality
fertilizers 2674
harvesting date 2203
position 2203
Poa, hay 464
Poa pratensis
hay 461, 1605
silage 1601, 1605
Poinsettias
pot plants
storage quality 511
transport 511
Polyscytalum pustulans, potatoes 2339, 2343
Pome fruits
storage
heat treatment 2325
physiology 1664
conferences 1990
storage decay, *Mucor piriformis* 287
storage quality, reviews 1664
Pomegranates
composition, ascorbic acid 1003
drying, temperature 1003
storage decay
Aspergillus niger 1003
Penicillium 1003
Postharvest decay, sugarcane 2787
Postharvest losses
assessment 669
Capsicum, Trinidad and Tobago 2769
grain, USSR 1850
management, developing countries 2465
USSR 264, 381
Postharvest systems
development, developing countries 1467
rural areas
Caribbean 2937
Latin America 2937
technology 2987
India 2966
Postharvest treatment
mechanization
China 1469
Taiwan 400
optimization, China 941
Pot plants
cooling, systems, Europe 1065
grading, neural networks 2571
handling, books 2982-2983
marketing, Japan 2963
quality
Codiaeum variegatum 57
Dieffenbachia maculata 57
Ficus benjamina 57
reports, Australia 1470
storage
foliage plants 512
ornamental plants 617
storage life, *Campanula carpatica* 329, 1719
storage quality
Begonia cheimantha 328
Dieffenbachia 511
ornamental plants 614
Pelargonium domesticum 618
poinsettias 511
Primula vulgaris 760
roses 77, 2832
transport
Berberis thunbergii 78
Dieffenbachia 511
Ficus benjamina 509
foliage plants 512
Lagerstroemia indica 78
poinsettias 511
refrigerated transport 513
Rhododendron 78
roses 77
Potatoes
bibliographies, India 1996
breeding
mechanical properties 68
processing quality 868, 2454
storage quality 269, 2454
bruising 1071, 2136, 2138, 2141
composition
alkaloids 1184
amino acids 1705
Potatoes *cont.*
composition *cont.*
ammonium 1693
antioxidants 2208
calcium 1071, 1693
chlorophyll 1184
enzymes 2234, 2684
nitrates 1185, 1693, 1697
phytoalexins 1260
potassium 1071, 1693
proteins 1705
starch 1071, 1699, 2446
sugars 371-372, 602, 864, 1183, 1696, 2235, 2237, 2239, 2446-2447, 2450
cultivars
bruising 1071
processing quality 371, 865, 1401-1402, 1407, 2237
storage 2239
storage decay 686
stored products pests 659
damage 1835, 2141
dormancy 1177
drying
freeze drying 2061
mass transfer 2058
microwave radiation 1528
solar drying 2063
systems 2913
temperature 2058
vacuum drying 2061
exports, India 931
friction 1082
fungi, contamination 2865
fungicide residues, mancozeb 817
fungicides
application 690
imazalil 2339
thiabendazole 689-690, 698, 2339
thiram 698
graders 2093
grading
acoustics 1550
image processors 2559, 2561
mechanization 2585
neural networks 2094, 2559
handling
damage 1078, 1567, 2134, 2136, 2138, 2587, 2682
mechanization 2585
insecticide residues
aldicarb 803, 805
carbofuran 803
heptachlor 829
heptachlor epoxide 829
phorate 2425
removal 829
insecticides
chlorfluazuron 1230
pirimiphos-methyl 1230
prothiofos 1230
irradiation
gamma radiation 2446, 2682
responses 491
tests 2681
maturity 2367
mechanical properties 2367
metabolism
amino acids 1179
fatty acids 2682
lipids 2682-2683
proteins 1179
starch 2683
sugars 150, 1179, 2683-2684
mycotoxins, contamination 2865
packing, equipment 1568
pesticide residues
chlorpropham 832
chlorpyrifos 832
dichlorvos 832
pyrethrins 832
removal 832
physical properties 2553
processing
cultivars 2911
economics 1376
efficiency 862
employment 1376, 1408
Germany 2455
Potatoes *cont.*
processing *cont.*
techniques 598, 861, 2897, 2899, 2901, 2904, 2906, 2911, 2913, 2916, 2920
processing quality 372, 491, 602, 863-864, 866, 1180, 2235, 2447, 2450, 2894-2895
quality, reviews 491
reports 2483
India 409
respiration 1183
separation, stones 2137
shape 2553
sorters 493
sprout inhibition 603, 1181-1182, 2236-2237
sprouting 2446, 2683-2684
storage
biochemistry 150, 1178-1179, 1697, 1703, 2208, 2683-2684
bulk storage 2705
cold storage 602, 1181, 1183, 1195, 1698, 1700, 2237, 2239, 2339, 2783
containers 598
standards, UK 1709
controlled atmosphere storage 691, 1181
cooling 2248
drying 2343
environment 1190
farm storage 693
humidity 599, 1195, 1255
irradiation 2446, 2682
light 599, 1184
mechanization 1710
ozone 173
physiology 1183
research 1984-1985
reviews 600-601
temperature 168, 599, 1180-1181, 1195, 1255, 1698, 1700, 2339, 2894
treatment 603
ventilation 1195
storage decay 684-685, 687-688, 690-691, 693, 698, 2340
Bacillus 2338
Clostridium 2338
Colletotrichum coccodes 2343
Erwinia 1698, 2338
Erwinia carotovora 1255
Erwinia carotovora subsp. *atroseptica* 692, 695, 2338
Erwinia carotovora subsp. *carotovora* 701, 2338
Fusarium 686, 702, 1698, 2338
Fusarium oxysporum 2779
Fusarium solani var. *coeruleum* 701
Geotrichum candidum 281
Gibberella 702
Gibberella pulicaris 1260
Helminthosporium solani 2243, 2339, 2343, 2783
Nectria radicicola 702
Phoma 1698, 2243
Phoma exigua var. *foveata* 702
Phoma solanicola 689
Phytophthora infestans 686, 701
Polyscytalum pustulans 2339, 2343
Rhizoctonia solani 701, 2339, 2343
Streptomyces 697
Streptomyces scabies 701, 2339
storage disorders
blackspot 1705
browning 2446
storage losses 1698-1699
Russia 688
storage quality
breeding 1705
cultivars 1696, 1698-1700, 2141, 2243
cultural methods 2238
environment 687, 1255
fertilizers 692, 701, 1185, 2234-2235, 2238, 2685
maturity 1696
stored products pests 2299

Potatoes *cont.*
stored products pests *cont.*
Phthorimaea operculella 659, 1230, 1835, 1839, 2301-2302, 2304, 2306, 2755
stores
cleaning 1711
cold stores, Pakistan 1195
cooling 2247
costs 2991
design 2705
environmental control 599, 1190
ventilation 1706, 2704
thermal properties 2705
transport, mechanization 1710
Preservatives
Alstroemeria 755
Anigozanthos rufus 763
carnations 755, 1913, 2396
chrysanthemums 756
Daviesia cordata 763
Eucalyptus marginata 763
Euphorbia fulgens 755
Gerbera 747
Gladiolus dalenii 2395
Leucopogon verticillatus 763
lilac 338, 752
lilies 755
Protea eximia 1294
roses 325, 333, 761, 2392
***Primula vulgaris*,** pot plants, storage quality 760
Processing
antinutritional factors
cowpeas 849
faba beans 843, 2876
groundnuts 2415
Leucaena leucocephala 376
rapeseed 846
appropriate technology, grain 1382
Argentina, grain 1351
blanching, soyabeans 2881
books, root crops, Latin America 2990
chopping
cassava 1952
fodder 856
composition
coffee 874
cowpeas 850
cultivars
cassava 1948
cucumbers 857
potatoes 2911
sorghum 361
tomatoes 2892
damage, maize 845
economics
agricultural products 1418
conferences 1480
cassava 2914, 2918
groundnuts 2434
mustard 2434
root crops 2919
tropical crops 1375-1378
efficiency, potatoes 862
employment
agricultural products 1349
conferences 1480
crops 1348
tropical crops 1374-1377, 1408
energy requirements
agricultural products 355
crops 355
grain 2884
equipment
cassava 1409
coconuts 1994
coffee 2927
grain 2883
grain legumes 362
grapes 858
groundnuts 2434
mustard 2434
onions 1950
palm kernels 1409
sunflower seeds 854
Vigna radiata 2443
ergonomics, cassava 2922
extraction, watermelons 1951
female labour
cassava 2922
Processing *cont.*
female labour *cont.*
shea butter 1937
fermentation
agricultural products, reviews 841
bananas 1959
cassava 2453
cocoa 374, 1414, 1953, 2461
cowpeas 849
cucumbers 1855
groundnuts 2415
Germany, potatoes 2455
income, agricultural products 1349
mechanization
tobacco 1956
watermelons 1951
microwave treatment, soyabeans 2429
nutritive value
faba beans 1370
foods 1347
sorghum 1361, 1366
soyabeans 1365
on-farm processing, agricultural products, Czechoslovakia 842
peeling
ginger 2932
onions 1950
persimmons 2070
tomatoes 2892
research
cassava 1982
linseed 2878
Linum usitatissimum 2878
residues, walnuts 1946
reviews, faba beans 843
roasting
cocoa 873
coffee 1954-1955
sorghum 1360
soaking
cowpeas 849
soyabeans 359
steaming, grain 358
techniques
agricultural products 2989
apricots 907
aubergines 1411
cashews 1410
cassava 1403, 2891, 2898, 2900, 2902-2903, 2905, 2908, 2910, 2917
reviews 1368
Uganda 1947
cocoa 1415
coconuts 1994
cowpeas 2432
Eleusine coracana 1359
faba beans 1370
fermented foods 2453
kale 896
maize 1355, 2880
melons 1411
peaches 907
Pennisetum glaucum 1359
plums 1989
potatoes 598, 861, 2899, 2901, 2904, 2906, 2911, 2913, 2916, 2920
pumpkins 1411
root crops 2897, 2909, 2915
shea butter 1937
sorghum 1355, 1359, 1361-1362, 2433
soyabeans 1369, 2431
sweet potatoes 2907, 2912
tomatoes 1411
watermelons 1411
technology transfer
cassava 2921
shea butter 1937
treatment, rapeseed 1364
Processing quality
apples 1670, 2457, 2689
apricots 2457, 2896
asparagus 1399
aubergines 1398
black currants 870
Capsicum anuum 1949
cassava 1948
cereals 1372
cherries 860
cocoa 2925
Processing quality *cont.*
copra 2071
cucumbers 563, 1630
grapes 2104
guavas 1394
kiwifruits 1397
maize 1371
oil palms 2875
Panicum miliaceum 851
peaches 2457, 2692, 2890
pears 2457
Phaseolus vulgaris 847
potatoes 371-372, 491, 602, 863-866, 868, 1180, 1401-1402, 1407, 2235, 2237, 2447, 2450, 2454, 2894-2895
red currants 869
rice 852, 1373, 1502
sorghum 1030, 1353
soyabeans 2440
squashes 1398
sugarcane 2924
sweet potatoes 2448
tea 1558, 2928
tomatoes 871, 1406, 2452
wheat 2877
Properties
acoustic properties, apples 488, 1049, 2566
aerodynamic properties
rice 441
wheat 1096
dielectric properties
grain 17
grasses 459
hay 459
silage 459
electrical properties, fruits 1054
mechanical properties
apples 488, 575, 1041, 1049, 1669-1670, 1678, 2557, 2586, 2670, 2790, 2810
bananas 731
carrots 2111-2112
cashews 2456
coconuts 505
faba beans 1058
feeds 79
grain 939, 1059, 1106, 2164
grasses 1524
kiwifruits 1548
mangoes 2818
mangosteens 1063
nectarines 737
peaches 153, 593, 737, 2349
peas 497
plums 1642
potatoes 2367
rapeseed 496, 937, 940, 1585
roses 2390
seeds 1561
silage 1524
small fruits 1189, 1572
soyabeans 969
strawberries 1651
sunflower seeds 1585, 1593
tomatoes 1148, 1287, 2649
wheat 1586, 2886
optical properties
groundnuts 479
soyabeans 2545
tomatoes 2105
physical properties
apples 2205
asparagus 1050
fruits 2560
groundnuts 2519
lentils 2166
maize 1028
mustard 2462
peaches 1895
Phaseolus vulgaris 1111
potatoes 2553
rice 441, 1097, 1384
soyabeans 1111
tomatoes 2452
Vigna mungo 2166
Vigna radiata 2166
wheat 1096, 2160
thermal properties
agricultural products 1468
fruits 401

Properties *cont.*
thermal properties *cont.*
potatoes 2705
pummelos 74
Prostephanus truncatus
biology
behaviour 1792, 1795, 2284
development 192
environmental factors 649
cassava 649
control
biological control 1223
chemical control 1224, 2719
plant extracts 1222
diets 192
distribution
Africa 2977
Tanzania 1224
Togo 1218
insecticides
effects 225
toxicity 194
maize 192, 194, 198, 225, 649, 1222-1223, 2297, 2719
reviews 1828
millets 1795
monitoring, traps 1218, 1792, 2284, 2977
parasitoids, *Pteromalus cerealellae* 1209
pheromones 2297
plant extracts
attractants 2284
toxicity 198, 225, 2269
predators 1223
Teretriosoma nigrescens 1792
timbers 644
traps, pitfall traps 1795
triticale 649
wheat 649
yams 649
Protea eximia
preservatives 1294
storage disorders, leaf blackening 1294
Protea laurifolia, stored products pests 2307
Protea neriifolia, stored products pests 2307
Protein extraction
grasses 2887
lucerne 357, 2423
lupins 2423
peas 2423
Trifolium 2423
Pseudaulacaspis cockerelli
control, chemical control 2308
cut flowers 1232, 2308
Pseudocercospora purpurea, avocados 276
Pseudococcus affinis
control, chemical control 2308
cut flowers 2308
Pseudococcus longispinus
control, chemical control 2308
cut flowers 2308
Pseudomonas
control
Botrytis cinerea, cabbages 2323
Penicillium, oranges 1868
Pseudomonas aeruginosa
onions 2313
roses 751
Pseudomonas cepacia
control
Botrytis cinerea, sugarbeet 2789
Penicillium expansum, sugarbeet 2789
storage decay, apples 706
Pseudomonas fluorescens
control
Alternaria brassicicola, Brassica 1257
Botrytis cinerea, Brassica 1257
Glomerella cingulata, mangoes 1862
Pseudomonas syringae, control, *Penicillium expansum,* apples 683
Pseudomonas syringae* pv. *tomato, tomatoes 2335
Pseudotheraptus wayi, avocados 1841
Psocoptera, grain 248
Pteromalus cerealellae, hosts, stored products pests 1209
Pulses (*see* Grain legumes)
Pummelos
cooling, precooling 74
storage
heat treatment 680

Pummelos *cont.*
storage *cont.*
wrappings 680
storage decay, *Penicillium digitatum* 680
storage dips
growth regulators 680
waxes 680
thermal properties 74
Pumpkins
grading, spectroscopy 1555
processing, techniques 1411
seeds, extraction 1411
Pyricularia, rice 2259
Pyrus bretschneideri
composition
enzymes 1647
phenolic compounds 1647
storage, modified atmosphere storage 1647
storage disorders, brown core 1647
Pyrus pyrifolia
composition, volatile compounds 2098
cultivars, storage 584
ripening, growth regulators 297
storage, controlled atmosphere storage 584
storage disorders 584
brownheart 176
internal browning 176
pithiness 176
water core 176
Pyrus ussuriensis
storage disorders
brownheart 176
internal browning 176
pithiness 176
water core 176
Pythium aphanidermatum, cucumbers 1860
Quadraspidiotus juglansregiae, nectarines 256
Quadraspidiotus perniciosus
apples 660
control, controlled atmospheres 660
nectarines 256
Quarantine
Anastrepha obliqua, mangoes 663
Anastrepha suspensa
Averrhoa carambola, USA 259
guavas, USA 260
Bactrocera aquilonis, mangoes 1229
insects, pawpaws, Mexico 1227
Prostephanus truncatus, grain, Tanzania 1224
stored products pests, cut flowers, USA 667
Quinces, storage decay 2785
Radioactivity
decontamination
lucerne 2423
lupins 2423
peas 2423
Trifolium 2423
Radishes
composition
calcium 554
fibre 554
glucosinolates 163
magnesium 554
nitrates 2107
nitrites 2107
phosphorus 554
sugars 554
drying
desiccants 431
electrical treatment 2532
heat pumps 431
solar drying 2533
vacuum drying 2533
fungicide residues
copper oxychloride 838
mancozeb 838
zineb 838
marketing, Netherlands 928
quality 928
storage
controlled atmosphere storage 586
modified atmosphere storage 586
storage quality, sowing date 554
Raisins
aflatoxins, contamination 2872

Raisins *cont.*
exports
Greece 927
Turkey 927
grading, image processors 1047, 2110
storage, irradiation 1840
stored products pests 1997
Plodia interpunctella 255, 1840
Rambutans, reports, Australia 407, 1470
Rape
oils, extraction 2882
silage 119, 1609
Rapeseed
composition, oils 6
driers, deep bed driers 2516
drying
shrinkage 2520
systems 2505
friction 1585, 1594
maturity 937
mechanical properties 496, 937, 940, 1585
moisture content, determination 6, 2004
oils, extraction 844, 1352, 2442
processing
antinutritional factors 846
treatment 1364
storage
moisture content 2147
optimization 2505
temperature 2147
stores
humidity 1594
temperature 1594
Raspberries
aroma 2549
colour 1070, 1884
composition, glycosides 2549
cultivars, storage quality 166
fungicides
benomyl 1851
captan 1851
iprodione 1851
pyrrolnitrin 1851
growth regulators, ethylene 1884
ripening
growth regulators 1884
histology 2804
physiology 1884
storage
cold storage 1851, 2228
controlled atmosphere storage 585, 1851, 2228
physiology, reviews 1903
temperature 1851
storage decay, *Botrytis cinerea* 1851, 1903
transport, damage 1070
Rats, agricultural products 2713
Red currants
composition, alcohols 158
cultivars, processing quality 869
mechanical properties 1572
storage
cold storage 158, 2228
controlled atmosphere storage 158, 2228
Reesa vespulae, grain 213
Reports
Australia
Australian Wheat Board 945
CSIRO 2974
Northern Territory, Department of Primary Industry and Fisheries 1474
Northern Territory, Department of Primary Industry and Fisheries, Horticulture Branch 407
Queensland Department of Primary Industries, Horticulture Postharvest Group 1470
Canada
Agriculture Canada Research Branch 1983
Grain Research Laboratory 2482
Cyprus, Agricultural Research Institute 2481
India
Central Plantation Crops Research Institute 405, 1472
Central Potato Research Institute 409

Reports *cont.*
India *cont.*
Indian Institute of Horticultural Research 1475
National Research Centre for Cashew 943
National Research Centre for Citrus 2972-2973
Regional Research Laboratory, Jammu 946, 1473
Indonesia, Bogor Research Institute for Estate Crops 1981
International Potato Center 2483
Israel
Institute for Agriculture & Applied Biology, Ben-Gurion University of the Negev 406
Israel Fruit Growers' Association, Cold Storage Research Laboratory 589
Japan
Ehime University 2486
National Food Research Institute 2485
Saitama Horticultural Experiment Station 404
Malaysia, Rubber Research Institute of Malaysia 944
Nepal, Pakhribas Agricultural Centre 2259
Netherlands
Agrotechnological Research Institute 1986
Laboratorium voor Bloembollenonderzoek 408
New Zealand, Massey University, Faculty of Agricultural and Horticultural Science 2487
Nigeria, International Institute of Tropical Agriculture 1982
Pakistan, Nuclear Institute for Agriculture and Biology 2484
UK
Campden Food & Drink Research Association 1471
Centre for Rural Building 1984-1985
Respiration
apples 295, 1674
bananas 1161, 2820
broccoli 2214
Citrus iyo 134
cucumbers 1159
grain 2159
horticultural crops 551
kiwifruits 1285
Litchi 1280
peaches 2816
plums 2217
potatoes 1183
tomatoes 725
Vaccinium corymbosum 2650
Resseliella proteae
Protea laurifolia 2307
Protea neriifolia 2307
Reviews
agricultural products, processing, fermentation 841
apples, colour 294
asparagus, storage, physiology 1904
Averrhoa carambola, storage, physiology 1658
bananas, ripening, physiology 1878
caraway 403
cassava, processing 1368
cherimoyas, storage, physiology 1282
cut flowers
physiology, Australia 1918
senescence 766
faba beans, processing 843
foods
aflatoxins, contamination 2841
irradiation 1935
mycotoxins, contamination 2842
pesticide residues, tropics 791
quality, enzymes 840
fruits
grading, image processors 51
growth regulators, abscisic acid 297
ripening
enzymes 1283
molecular genetics 1908
Reviews *cont.*
fruits *cont.*
storage
heat treatment 1243
modified atmosphere storage 1702
storage decay, biological control 1864, 2772
grain
aflatoxins, contamination, Asia 1339
stored products pests, control 1797
growth regulators, oligosaccharides 1292
guavas, metabolism, carbohydrates 1394
haymaking, drying, Europe 456
image processors, sensors 1026
maize
residues 1958
storage decay 1235
stored products pests, *Prostephanus truncatus* 1828
mycotoxins 1920
nectarines, storage disorders 2232
ornamental plants, senescence 766, 769
peaches, storage disorders 2232
Penicillium, Southern Africa 265
pome fruits, storage quality 1664
potatoes
quality 491
storage 600-601
raspberries, storage, physiology 1903
salsify 142
sorghum, storage 2152
spices, postharvest treatment 1957
stored products pests, control 621
tomatoes
ripening
gene expression 314, 1910
molecular genetics 1908
physiology 1877
tropical fruits, ripening, biochemistry 2819
vegetables
grading, image processors 51
storage
heat treatment 1243
modified atmosphere storage 1702
storage decay, biological control 1864
Rhagoletis angustifolium, control, controlled atmospheres 2759
Rhagoletis mendax, *Vaccinium angustifolium* 2759
Rhizoctonia solani, potatoes 701, 2339, 2343
Rhizoglyphus
control, fumigation 2763
ornamental bulbs 2763
Rhizopus
apples 706
wheat 1847
Rhizopus oryzae
carrots 1254
cherries 2780
cucumbers 2784
pawpaws 1254, 2782
peas 1254
sweet potatoes 1254
Rhizopus stolonifer
pawpaws 271
physiology, enzymes 286
plums 2674
stone fruits 287
tomatoes 2335, 2452
yams 2327
Rhododendron, pot plants, transport 78
Rhyzopertha dominica
biochemistry, cuticle 2747
biology
behaviour 1795
environmental factors 1816
control
chemical control 204, 218, 2272
heat treatment 222
detection 2295
grain 1750, 1803, 1818, 2264
insect growth regulators, effects 246
insecticide resistance
bioresmethrin 1808
chlorpyrifos-methyl 218
phosphine 1215
piperonyl butoxide 1808
maize 199, 206, 1216, 2272, 2285
microwave radiation, effects 2278
Rhyzopertha dominica *cont.*
millets 1795
parasitoids 2728
Pteromalus cerealellae 1209
Theocolax elegans 2747
Pennisetum americanum 2294
plant extracts, repellents 1734
plant oils, effects 1729, 1750
predators 1223
Acaropsellina sollers 1818
Cheyletus malaccensis 1818
rice 204, 2728
sorghum 199, 222, 2270, 2285
traps, pitfall traps 1795
Vigna angularis 2728
wheat 199, 218, 246, 1540, 1770, 2272, 2285, 2295, 2750
Rice
aerodynamic properties 441
aflatoxins
contamination 343, 1332, 1336, 2845, 2860
determination 2409
books, India 2492
composition
magnesium 1373
nitrogen 1373
potassium 1373
consumer preferences 889
cooling, aeration 2605
crop residues, handling 2934
cultivars
milling quality 1392
stored products pests 252, 1743
damage 451-452, 1502, 2161
dielectric constant 1103
discoloration 672
driers
air flow 454
appropriate technology 2028
batch driers 1509
continuous driers 985, 2046
crossflow driers 1509
drum driers 451, 995
fluidized beds 451, 976
high temperature driers 985, 995
selection 983
solar energy 996
ventilated bin driers 984
ventilated silo driers 978
drying
air drying 961
ambient air drying 1500
bins 455
cooperatives 1513
dehumidification 2029
energy consumption 1500
energy sources 981, 2036
equipment 2020
fans 455
heat pumps 2029
heat transfer 985, 994
intermittent drying 1507
low temperature drying 455, 978, 984
mathematical models 985
moisture, sorption 2005
moisture content 2017, 2038
simulation models 2046
solar drying 2020
temperature 454, 2017
thin layer drying 2014, 2017
exports
Thailand 884, 890, 1421
USA 885, 890
flavour 451
fungi, contamination 1336
fungicide residues, ferbam 797
grading
image processors 42, 2437
techniques 1938
growth regulators
cytozyme 2591
triacontanol 2591
hulling 362, 2518
husking 452, 988, 1502
image processors, quality 483
imports, USA 888
insecticide residues
chlorpyrifos 793
cypermethrin 1923
deltamethrin 1923

Rice *cont.*
insecticide residues *cont.*
N,N-dimethyl-1,2-dithiolan-4-amine 1924
fenvalerate 1923
α-HCH 795
lindane 795
malathion 1312
pirimiphos-methyl 204
insecticides
carbaryl 2737
tetrachlorvinphos 2737
marketing
Colombia 1964
Guinea-Bissau 2468
India 383, 2946
Indonesia 1426, 2942
Mexico 2940
milling 961
appropriate technology 853
economics 853
energy consumption 1390
moisture content 1392
techniques 2437
milling quality 1384, 1938, 1940-1941, 2009
mills 1384, 1388-1390, 1392, 1945
fungi 1239
moisture content 441, 2006, 2009, 2161
determination 1493
mycotoxins
contamination 1333, 1337
determination 2427
oils, specific heat 365
packing, equipment 2158
physical properties 441, 1097, 1384
polishing 961
processing
economics 1375
employment 1375
processing quality 852, 1372-1373, 1502
quality 889, 961
sorters 2437
storage 2591
aeration 523, 1094
cold storage 521, 523
containers 1086, 2150
cooling 1094
decision making 1589
energy consumption 521
history 1581
India 383
moisture content 2150
packing 2158
temperature 961
storage decay
Cladosporium 672
Cochliobolus lunatus 672
Epicoccum 672
Ganobotrytis 672
Humicola lanuginosa 674
Pyricularia 2259
stored products pests
Cadra cautella 1787
Callosobruchus chinensis 2728
Carpophilus 1787
Corcyra cephalonica 1787
Liposcelis 1787
Oryzaephilus surinamensis 204
Rhyzopertha dominica 204, 2728
Sitophilus granarius 204
Sitophilus oryzae 210, 2728, 2737
Sitophilus zeamais 1756, 2728
Sitotroga cerealella 252, 1743, 2737
Tribolium castaneum 204, 1787
Typhaea stercorea 1787
straw, silage 96
Ripening
alcohols, bananas 2821
assessment
bananas 733
mangoes 2817
tomatoes 1287
biochemistry
apples 1883, 2808
bananas 731, 734, 1898
Capsicum 317, 2363
cherimoyas 2805
cherries 555
figs 1882
fruits 1897

Ripening *cont.*
biochemistry *cont.*
fruits *cont.*
books 1486
grapes 717, 730, 2809
kiwifruits 736, 1285, 2346
Litchi 1280, 2806
mangoes 290, 2798
nectarines 2355, 2812
olives 2796
oranges 714
peaches 723
pears 1890, 2808
strawberries 2364
tomatoes 712, 728, 742, 2348, 2351, 2354, 2358, 2793, 2801, 2807
tropical fruits 2770
reviews 2819
breeding, tomatoes 743
cultivars
Capsicum 317, 744-745
loquats 2791
mangoes 2798
peaches 2349
pears 1886
plums 2217
tomatoes 2690
enzymes
apples 2373-2374
avocados 2375, 2825
bananas 1281
Capsicum 317
Dacryodes edulis 2361
fruits, reviews 1283
grapes 2381
kiwifruits 1894, 2346
mangoes 290, 719, 2798
melons 718, 735, 2345, 2356, 2379-2380
nectarines 301, 737
olives 2796
peaches 322, 737, 1274, 2795, 2811
pears 1890, 2799
persimmons 1276
strawberries 291, 2344
tomatoes 300, 303, 305, 315, 318, 1290, 1885, 2351, 2362, 2365, 2378, 2384, 2815
fertilizers, tomatoes 292
fuzzy logic, bananas 1912, 2387
gene expression
apples 2373
avocados 321, 1905, 2825
Capsicum 319
Cucurbita maxima 2370
mangoes 1880
oranges 714
peaches 2372
tomatoes 716, 741, 1273, 1275, 1906, 2368, 2370-2371, 2376-2378, 2824, 2826
reviews 314, 1910
genetic engineering
fruits 2975
tomatoes 300, 315-316, 738, 741, 1277, 1289, 1907
genetic transformation
grapes 2381
tomatoes 318, 1273, 2383-2384, 2826
growth regulators
avocados 311, 2245
bananas 731, 734, 1281, 2800, 2820-2821
cherries 860
figs 1882
fruits 297, 1292
kiwifruits 1894
mandarins 2353
mangoes 1166, 1291
oranges 714
Panax pseudoginseng 2403
pawpaws 2244
peaches 2372
raspberries 1884
strawberries 2344
tomatoes 1889, 1893, 2382, 2386
Ziziphus sativa 1879
harvesting date
apples 310
avocados 729

Ripening *cont.*
histology
nectarines 296
raspberries 2804
in vitro culture, tomatoes 1275
irradiation
bananas 306
mangoes 606
strawberries 1154
mathematical models, tomatoes 739
maturity
avocados 308
peaches 2352
molecular genetics
apples 2374
avocados 1905, 2375
fruits 1908
melons 2379-2380
tomatoes 320, 1290, 1906, 1908-1909, 2386, 2824, 2829-2830
mutants, tomatoes 739-740, 2378, 2827
physiology
apples 295, 2229
avocados 311
bananas 2820
reviews 1878
cherimoyas 2803
kiwifruits 1198, 2360
nectarines 1891
peaches 1895
pears 711, 2799
raspberries 1884
tomatoes 312, 710, 1893, 2350, 2384
reviews 1877
Ziziphus sativa 1879
Ziziphus spina-christi 1279
proteins
bananas 2347
mangoes 1880
tomatoes 2382
salinity, tomatoes 716
storage
apples 295
avocados 308, 1905, 2245, 2669
bananas 731, 734, 1898, 2663
Eugenia dysenterica 1656
kiwifruits 574, 1198, 1284-1285, 1911, 2698
mangoes 587, 1142, 1166, 1887, 2794, 2818
nectarines 145, 1160, 1891, 2355, 2642
pawpaws 576, 2244
peaches 145, 593, 2352
pears 138, 2679
plums 145, 2217
tomatoes 725, 727-728, 1169, 1893
Ziziphus mauritiana 541
temperature
apples 289
bananas 2800
Dacryodes edulis 2361
nectarines 709, 715, 2233
tomatoes 727
water relations, tomatoes 312
yields, avocados 309
Romania
grain
storage, standards 1592
transport, standards 1592
Root crops
conferences 1991
processing
books, Latin America 2990
economics 1377-1378, 2919
employment 1374, 1377
techniques 2909, 2915
washers 473
Roses
bacteria, contamination 751, 753, 762, 767, 1271
composition, amino acids 323
growth regulators, abscisic acid 750
marketing, Bolivia 2964
mechanical properties 2390
metabolism
starch 616, 749
sugars 616, 749
physiology 335
pot plants
storage quality 77, 2832

Roses *cont.*
pot plants *cont.*
transport 77
preservatives 325, 333, 761
quality 56-57, 616, 2390
senescence 323, 326, 332, 334, 339, 748-749, 2392, 2394, 2835
storage
cold storage 323, 761
hypobaric storage 1718
treatment 2392
storage decay, *Botrytis cinerea* 1269, 1876
vase life 325, 333, 754, 761, 764, 767, 2392, 2398
water relations 325-326, 332-333, 337, 510, 750-751, 753, 767, 1720
***Ruscus hypoglossum*,** storage decay, *Botrytis cinerea* 1270, 1875
Russia, vegetables, storage losses 688
Rye
composition
cadmium 1340
lead 1340
cultivars, stored products pests 1761
drying, moisture, sorption 2005
mechanical properties 939
nivalenol, contamination 347
ochratoxins, contamination 2417
processing, steaming 358
seed germination 82
storage
additives 1124
cold storage 82
containers 82
moisture content 1124
nutritive value 1124
stored products pests, *Sitophilus oryzae* 1761
vomitoxin, contamination 347
zearalenone, contamination 347
Safflower
fungicides, carbendazim 1237
storage, containers 1237
storage decay 1237
Saffron, postharvest treatment, reviews 1957
Salmonella
contamination
fruits 1853
vegetables 1853
Salsify, reviews 142
***Salvia sclarea*,** essential oils, extraction 875
Satsumas
storage, treatment 170
storage decay 170
***Schefflera actinophylla*,** pot plants, storage 512
***Schefflera arboricola*,** pot plants, storage 512
Schwiebea araujoae*, *Dioscorea alata 2758
***Sciothrips cardamomi*,** cut flowers 1232
Scirpenetriol, determination, rice 2427
***Sclerotinia sclerotiorum*,** carrots 279, 704
Sechium edule
storage
systems 1150
treatment 1151
Seed aging, cowpeas 1584
Seed cleaners 4, 429, 439, 2499
barley 5
buckwheat 966, 2501
grain 14, 965
linseed 434
oats 5
Parthenium argentatum 2541
peas 1035
soyabeans 434
Vicia sativa 1035
Seed dormancy, barley 2593
Seed testing, cowpeas 1584
Seed treatment
barley 397
cottonseed 1591
Phaseolus vulgaris 1582
wheat 397
Seeds
cleaning, efficiency 429
driers, floor driers 1490
drying, *Trifolium pratense* 30
extraction
fruits 1411
Seeds *cont.*
extraction *cont.*
vegetables 1411
mechanical properties 1561
processing
Citrullus colocynthis 1400
Hevea 1400
separators 2002
shelling, melons 859
sorting, equipment 2542
***Selenothrips rubrocinctus*,** avocados 1841
Senescence
asparagus 1904
Bougainvillea glabra 327
broccoli 304
carnations 330-331, 746, 765, 1296, 1913, 1915-1917, 2391, 2396, 2399-2402, 2833-2834
chrysanthemums 1914
Cymbidium 331, 1915
figs 713
Gerbera 747
Gladiolus dalenii 2395
Hemerocallis 1297
Liatris spicata 2393
Litchi 2806
ornamental plants, reviews 766, 769
parsley 1298
Petunia 1915, 2401
Phalaenopsis 768
roses 323, 326, 332, 334, 339, 748-749, 2392, 2394, 2832, 2835
tomatoes 2368
watercress 726
Sensors, temperature, stores 1087
Separators 2500
grain 965, 2510
seeds 427, 2002
***Serratia*,** control, *Botrytis cinerea*, cabbages 2323
Serratia liquefaciens
control
Alternaria brassicicola, *Brassica* 1257
Botrytis cinerea, *Brassica* 1257
Serratia plymuthica
control
Alternaria brassicicola, *Brassica* 1257
Botrytis cinerea, *Brassica* 1257
Sesame
aflatoxins, contamination 2845
oils, extraction 1943
stored products pests, *Corcyra cephalonica* 1220
***Sesbania aculeata*,** stored products pests, *Bruchophagus mellipes* 262
***Sesbania cannabina*,** silage 97
Shea butter
processing
female labour 1937
techniques 1937
technology transfer 1937
Shellers
cashews 1410, 2456
cocoa 873
faba beans 1380
maize 369, 1383, 1386, 1944, 2441
Shelling
techniques
hazelnuts 53
melons, seeds 859
Shigella
contamination
fruits 1853
vegetables 1853
Silage
aeration 1115, 1118-1120, 2632
biochemistry, books 1995
choppers 501
composition 110, 529
acetates 2625
alcohols 1597, 2615
alkaloids 2626
amino acids 98, 1130
ammonia 530, 536, 2181, 2611, 2619-2620, 2629
ammonium 1597
bacteria 117
calcium 103, 1608
Silage *cont.*
composition *cont.*
carbohydrates 101-103, 524, 1597, 1614, 1621, 2611, 2614, 2620, 2622, 2625
crude protein 96, 101, 103, 111-112, 114, 116, 119, 485, 1121, 1524, 1605, 1608, 1616, 1621, 2616-2621, 2628
cyanides 102
dry matter 2625
elements 1608
ethanol 1611
fats 2621
fatty acids 99, 108, 2629
fibre 111-112, 530, 1524, 1597, 1616, 1620-1621, 2617-2618, 2620, 2625
lignin 1616
nitrates 115
nitrogen 96, 99, 101, 112, 119, 121, 536-537, 1121, 1612, 2620
organic acids 96-99, 101-102, 108-109, 119, 121, 485, 524, 527, 531, 536, 1116, 1120-1121, 1127, 1596-1597, 1601-1602, 1609, 1611, 1614, 1616-1618, 1621, 2172, 2175, 2181, 2611, 2615, 2621-2622, 2629-2630
pectins 1618
phosphorus 103
polysaccharides 1616
potassium 998
proteins 102, 1610, 1613, 2623
sodium 998
starch 102, 1611, 1621, 2630
sugars 1524, 1610, 2629
deterioration 1620, 2182, 2312
dielectric properties 459
energy content 1600
handling 2636
heat transfer 2312
hydraulic conductivity 538
mechanical properties 1524
microorganisms 536, 1115, 1118, 1120, 1615, 2615
moisture content 536, 1600
determination 459
nutritive value 1114, 1605, 1607, 1614, 1616-1617, 1621, 2625, 2627
books 1995
pH 99, 101-102, 116, 121, 524, 530, 536, 1115, 1118, 1120, 1130, 1524, 1596, 1599, 1601, 1614, 1620, 2611, 2620-2621
reviews 2174
storage 111, 1132, 1627, 2625, 2627, 2636, 2639
storage losses 2624
transport 1135
unloading 126-127
vomitoxin, contamination 2870
Silage additives 100, 2171
acetic acid 105
ammonia 96, 525, 2637
ammonium tetraformate 1115
application 125, 129
Bacillus subtilis 524
bacteria 528, 1116-1117, 1125, 2172-2173, 2180
barley 529
barley straw 109
calcium formate 113
carbohydrates 2172
carboxylic acids 1129
Cekafusil 1126
cellulase 537, 1617, 2170, 2173
corrosion, farm machinery 1133
dextrose 121
Ecosyl 524
Enterococcus faecium 1601-1602
enzymes 113, 528, 1597-1599, 1604, 1611, 2172, 2177, 2620, 2622
formaldehyde 105, 531
formalin 112-113
formic acid 98, 105, 107, 112-113, 529, 531, 537, 1130, 1135, 1597, 1614, 2172, 2176, 2611, 2614, 2620, 2622, 2636
glucose 98, 1119
grasses 96

Silage additives *cont.*
hemicellulase 537
hexamethylene tetramine 113
husks 109
lactic acid bacteria 113, 118, 529, 1610, 1619-1620, 2172, 2176, 2612
Lactobacillus 534
Lactobacillus acidophilus 1604
Lactobacillus bulgaricus 1604
Lactobacillus casei subsp. *plantarum* 1601
Lactobacillus paracasei 1601
Lactobacillus plantarum 121, 1115, 1121, 1127, 1601-1602, 1604, 1614, 2170, 2175, 2610, 2622, 2629
microorganisms 1616
minerals 2172
molasses 102, 105, 527, 529, 1596, 2619, 2629
octenoic acid 2614
organic acids 2611
pectins 1618
Pediococcus 534
Pediococcus acidilactici 1115, 1121, 1601, 1604, 2622
Pediococcus cerevisiae 121
Pediococcus pentosaceus 2175
Pentasil 1126
phosphoric acid 105
potassium sorbate 1620
propionic acid 2172, 2175, 2178, 2612, 2614
Serratia rubidaea 524
Silko A 1126
sodium chloride 120
sodium hydroxide 96
sodium nitrate 113
storage 128
straw 1600, 1609
Streptococcus faecalis 2629
Streptococcus faecium 121, 1115, 1127, 1599, 1604, 2175, 2622
Streptococcus thermophilus 524
sugarbeet pulp 527, 529, 2627
sulfuric acid 105, 113, 1614
tapioca 2619
urea 102, 116, 377, 1617, 2630
Viher solution 531
yeasts 2182
Silage cutters, energy consumption 63
Silage making
aeration 526, 533
balers 61
baling 533, 536, 1606, 1622, 2179
chopping 535-536, 1135, 2169, 2631
compaction 1123
compression 1135, 2175
conditioning 1523-1524, 1623
containers 2639
costs 2635
covers 532
drying 998, 1607, 2528
environmental impact 1960
equipment 28, 129, 1393
fermentation 96, 1120, 1129, 2178, 2181, 2611, 2620-2621
gas production 2634
heat treatment 112
losses 100, 114, 526, 1119, 1606, 2610
mats 1522
maturity 104, 2612
mechanization 60
microorganisms 526
simulation models 2189
temperature 1596
wilting 99, 104, 110, 114, 531, 1524, 1607, 1622-1623, 2614, 2623
wrappings 123, 1624-1625, 2187-2188, 2632
buyers' guides 124
Silage quality
assessment 1036, 2613
cultivars
maize 485, 1131, 1616, 2618
sorghum 485
dry matter 2625
fertilizers 2180
harvesting date 104, 1115, 1125, 1599, 1609, 2616-2617
maturity 1603
Silos
accident prevention 516
aeration 523
building materials 1108
bunker silos 2312
construction 1627
design 79, 1136
floors 1577
horizontal silos 532, 2640
stresses 86
tower silos 11-12, 126-127, 1136
unloaders 516
top unloaders 2146
unloading 126-127
wall pressure 515, 538, 1092, 1136
Sinapis alba, moisture content, determination 2004
Singapore, oranges, imports 925
Sitophilus
control, physical control 1778
grain 2739
irradiation, ultraviolet radiation 2739
maize 1778
Sitophilus granarius
biology
behaviour 1795
oviposition 1740
control
chemical control 204
controlled atmospheres 1762, 2265
modified atmospheres 205
physical control 2716
controlled atmospheres, effects 238
grain 2265
millets 1795
parasitoids, *Pteromalus cerealellae* 1209
pathogens, *Beauveria bassiana* 1780
plant extracts
antifeedants 1810
repellents 1734
plant oils, effects 189, 1729
rice 204
traps, pitfall traps 1795
wheat 205, 633, 1740, 1762
Sitophilus oryzae
barley 2729
biochemistry, enzymes 208-209, 629, 1751, 1798
biology, behaviour 1795
control
biological control 2745
chemical control 2737
controlled atmospheres 210
gamma radiation 668
plant extracts 2259
insect growth regulators, effects 246
insecticide resistance
deltamethrin 1767
fenitrothion 1808
lindane 1767
malathion 232, 1767
insecticides, toxicity 245, 643, 1771
maize 206, 231, 236, 249, 2259
millets 1795
Nelumbo nucifera 668
parasitoids 2728, 2745
Pteromalus cerealellae 1209
Theocolax elegans 2747
peas 208
pheromones 656
physiology, tyrosine 630
plant extracts
antifeedants 1739
effects 1824, 2280
toxicity 198, 1813
plant oils, effects 189, 1729, 1746
predators 1223
rice 210, 2728, 2737
rye 1761
sorghum 227, 241, 2270
symbiosis, bacteria 207, 1798
traps, pitfall traps 1795
triticale 1761
Vigna angularis 2728
wheat 198, 208, 246, 633, 643, 1540, 1746, 1761, 1847, 2280, 2745
Sitophilus zeamais
biology
behaviour 1795
development 203
environmental factors 1800
Sitophilus zeamais *cont.*
cassava 665
control
chemical control 226, 240, 1756, 2272, 2291, 2719
plant extracts 2259
detection 2295
grain 2715
insecticides
chlorpyrifos 1756
chlorpyrifos-methyl 1756
effects 225
malathion 1756
toxicity 1806
maize 203, 225-226, 240, 650, 1326, 1744, 1754, 1758, 1806, 2259, 2272, 2286, 2291, 2719
millets 1795
parasitoids 2728
Anisopteromalus calandrae 650
Pteromalus cerealellae 1209
pheromones 656
plant extracts
repellents 2715, 2743
toxicity 225, 2269
rice 1756, 2728
symbiosis, bacteria 207
traps, pitfall traps 1795
Vigna angularis 2728
wheat 633, 2272, 2295
Sitotroga cerealella
control
chemical control 2737
physical control 1778
detection 2295
diets 1817
insecticides, toxicity 2730
maize 206, 1778
parasitoids
Trichogramma 1769
Trichogramma embryophagum 2288
Trichogramma evanescens 2756
Trichogramma minutum 2756
Trichogramma turkeiensis 2288
Pennisetum americanum 2294
plant extracts, toxicity 2269
rearing techniques 1817
rice 252, 1743, 2737
sorghum 2270
toxins, toxicity 1805
wheat 1540, 1776, 2295
Small farms, sustainability 2480
Small fruits, mechanical properties 1189
Sorghum
aflatoxins, contamination 2422
books 2985
cleaning, costs 1424
composition
phenolic compounds 1030
proteins 1030
starch 1029
tannins 1030
conferences 1478
cultivars, stored products pests 227
driers, fluidized beds 2717
drying, moisture, sorption 2005
fungi, contamination 2422
hulling 1354, 2985
marketing
Australia 2472
Botswana 2941
Southern Africa 1965
mechanical properties 1059, 2164
milling
economics 2985
techniques 1356, 1363
technology transfer 1358
milling quality 1353
mills 364, 1379, 2439
processing
cultivars 361
nutritive value 1361, 1366
roasting 1360
techniques 1355, 1359, 1361-1362, 2433
processing quality 1030, 1353
quality 1027, 1029
standards
Mexico 1534
USA 1534
silage 485, 532, 1620, 2174, 2637

Sorghum *cont.*
storage
Central African Republic 241
heat transfer 1102
heat treatment 222
humidity 2592
loads 2164
moisture content 1101, 2717
reviews 2152
temperature 2592
storage decay 222, 2717
storage losses 2285
storage quality, harvesting date 2717
stored products pests 2717, 2727
Coleoptera 241
Corcyra cephalonica 1220, 1815, 2720
Dinoderus distinctus 1750
Lepidoptera 241
Mexico 1803
Prostephanus truncatus 1218
Rhyzopertha dominica 199, 222, 1750, 2285
Sitophilus oryzae 227, 241
surveys 2270
Tribolium granarium 2285
Trogoderma granarium 199
tannins, extraction 1367
temperature 1102
zearalenone, contamination 2422
Sorters
Chamomilla recutita 2083
citrus fruits 2555
cottonseed 1542
Macadamia 1052
peaches 2562
peas 1035
potatoes 493
rice 2437
Vicia sativa 1035
Sorting
algorithms
agricultural products 478
wheat 2544
automation
citrus fruits 54
Panax pseudoginseng 2085
computer vision, agricultural products 1533
damage, *Phaseolus vulgaris* 1538
equipment, seeds 2542
ergonomics, tomatoes 2554
image processors
Capsicum 1051
cucumbers 2092
dates 2564
maize 2543
plums 1556
wheat 2544
mechanization, tomatoes 45
simulation models, fruits 492
spectroscopy, avocados 2556
techniques
coffee 2874
fruits 492
groundnuts 2850
hazelnuts 53
maize 1537
South Africa
fruits, exports 913
maize, marketing 2471
wheat, marketing 2950
South America
fruits, exports 902-903
vegetables, exports 903
Southern Africa
maize, marketing 1965
millets, marketing 1965
Penicillium, reviews 265
sorghum, marketing 1965
Soyabean oilmeal, fungi, contamination 346
Soyabeans
aflatoxins, contamination 1927
bins, pressure 1104
composition
carbohydrates 2597
fatty acids 2597
lipids 359
proteins 2597
cracking 969
crop residues, processing 358
Soyabeans *cont.*
damage 2545
driers
concurrent flow driers 2034
convection driers 2881
cross flow driers 2024
fluidized beds 1495
microwave driers 969
drying
damage 987, 2024
moisture, sorption 2005
seed germination 2003
simulation models 443, 1496
fungicide residues, captafol 826
grading, techniques 1541
mechanical properties 969, 1059, 2164
milling, optimization 2444
mills 2881
moisture content 975
determination 442, 445, 986, 990, 1493
oils, extraction 363, 1350, 2440
optical properties 2545
physical properties 1111
processing
blanching 2881
economics 1375-1376
employment 1375-1376, 1408
microwave treatment 2429
nutritive value 1365
soaking 359
steaming 358
techniques 1369, 2431
processing quality 2440
quality
books 416
standards
Mexico 1534
USA 1534
seed cleaners 434
silage 101
storage
biochemistry 2153
controlled atmosphere storage 2311
cultivars 2599
heat transfer 1111
humidity 2311, 2597
loads 2164
temperature 2597
storage decay
Aspergillus flavus 2311
Aspergillus ochraceus 2311
storage quality
growth regulators 2153
harvesting date 2153
stored products pests, *Callosobruchus maculatus* 1765, 2287
transport, systems 384
Sphaceloma perseae, avocados 278
Sphenostylis stenocarpa, stored products pests, *Callosobruchus maculatus* 1765
Spices
aflatoxins, contamination 1334, 2845, 2872
mycotoxins, contamination 1333
Spinach
composition
nitrates 2107
nitrites 2107
marketing, Netherlands 930
quality 930
storage
controlled atmosphere storage 586
modified atmosphere storage 586
Spinach beets, composition, nitrates 802
Spodoptera littoralis, plant extracts, effects 1791
Spodoptera litura
Anigozanthos manglesii 1233
Banksia hookeriana 1233
Chamelaucium uncinatum 1233
insecticides, toxicity 1749
Sprout inhibition
Dioscorea 1650
garlic 606
onions 606, 1249
potatoes 603, 1181-1182, 2236-2237
yams 160
Sprouting
garlic 557, 595
onions 133, 1249
Sprouting *cont.*
potatoes 2446, 2683-2684
Squashes, cultivars, processing quality 1398
Sri Lanka, vegetables, postharvest losses 938
Stegobium paniceum
parasitoids, *Pteromalus cerealellae* 1209
spices 263
Stenocarpella maydis, maize 1327
Sterigmatocystin
determination, foods 2837
toxicity, bioassays 1919
Stone fruits
storage, heat treatment 2325
storage decay
Mucor piriformis 287
Rhizopus stolonifer 287
Storage
additives
bananas 2195
Campanula carpatica 1719
mushrooms 2240
rye 1124
wheat 2412
aeration
grain 94
maize 523, 677, 1095
rice 523, 1094
sugarbeet 1716
airtight storage
Gloriosa rothschildiana 1574
grain 522
bagging, grain 1578
bins
grain 1087, 1104
maize cobs 1088
biochemistry
apples 1138, 1669, 1686-1687, 1691, 2207-2208, 2221, 2673
asparagus 2202, 2655
bananas 1898
cabbages 163
Chinese cabbages 163
cowpeas 1583
dates 1138
Diospyros discolor 1140
garlic 2643
gooseberries 2211
grapefruits 46
groundnuts 80, 1580
kiwifruits 568
Litchi 594, 2210
mangoes 2660
melons 2656
mushrooms 566, 2213
nectarines 301, 737
onions 137
peaches 737
potatoes 150, 1178-1179, 1697, 1703, 2208, 2683-2684
soyabeans 2153
sugarbeet 1199
tomatoes 597, 728
turmeric 1721
vegetables 2212
books, yams 959
bulk storage
feeds 79
grain 1104
potatoes 2705
Central African Republic, sorghum 241
clamps, sugarbeet 613
cold storage
agricultural products 1056
apples 135, 146, 159, 486, 583, 660, 1171, 1639, 1679, 1682, 1686, 1690-1691, 2641, 2670, 2673, 2675
asparagus 547, 1152, 1174
aubergines 1157
Averrhoa carambola 2652
avocados 729, 1843, 1905, 2669
bananas 1163
Benincasa hispida 2223
black currants 158
broccoli 67, 2214
cabbages 1146
Capsicum 1157
carnations 336
cherimoyas 1167
chicory 571, 1714

Storage *cont.*
cold storage *cont.*
Citrus iyo 134
Citrus sphaerocarpa 548
cucumbers 1159, 2651
cut flowers 614
Eucalyptus gunnii 759
Eugenia dysenterica 1656
feijoas 2668
fruits 1715, 2662
conferences 1477
ginger 180
globe artichokes 1652
grain 82
grapefruits 1660
horticultural crops 2699
kiwifruits 574, 2321
lemons 139, 1641
Lentinula edodes 1149
Leucadendron 758
Litchi 594
Luffa acutangula 2223
maize 523, 1095
mandarins 1648, 2198
mangoes 1155, 2654, 2818
mangosteens 1836
melons 547
Momordica charantia 2223
mushrooms 2213
mustard 172
nectarines 296, 540, 709, 715, 737, 1066, 1176, 1891, 2233, 2642
okras 1170
olives 2220, 2658
onions 133, 577, 611, 2653
oranges 1644
Panax pseudoginseng 2085
passion fruits 2215
peaches 153, 593, 737, 2352, 2664, 2813, 2816
pears 584
peas 148
persimmons 565, 2646
Physalis peruviana 2666
Pleurotus 1149
plums 1643
potatoes 602, 1179-1181, 1183, 1195, 1698, 1700, 2237, 2239, 2339, 2783
Pyrus pyrifolia 584
raspberries 1851, 1903
red currants 158
rice 521, 523, 961
roses 323, 616, 761
small fruits 2228
strawberries 547, 1651, 1653, 2194, 2691
sugarbeet 1199
sweetcorn 1701
tamarillos 2667
tomatoes 597, 1157, 1169, 1632, 1873, 2335, 2649
triticale 2594
Vaccinium 1173
Vaccinium corymbosum 1637, 2665
vegetables 1715, 2662
conferences 1477
Vigna unguiculata subsp. *sesquipedalis* 2223
wheat 93
Ziziphus mauritiana 2661
commodity markets, agricultural products, books 422
conferences, horticultural crops 411
containers
asparagus 1663
Brassica campestris 351
chickpeas 1105, 1107
cowpeas 2731
globe artichokes 1652
grain 82
horticultural crops 1707-1708
lemons 139
maize 1778
melons 1638
pigeon peas 247
potatoes 598, 1709
rice 1086, 2150
safflower 1237
sunflower seeds 81, 2155, 2596
Vigna mungo 1825

Storage *cont.*
containers *cont.*
Vigna radiata 1825
wheat 351, 2598
controlled atmosphere storage
apples 143, 146, 159, 280, 295, 486, 573, 581, 583, 589, 660, 1141, 1168, 1171, 1639, 1657, 1661, 1677-1680, 1682-1683, 1686, 1690, 2644
apricots 592
asparagus 1152
avocados 156
bananas 1161
black currants 158
broccoli 304, 2214
cauliflowers 1659
cherries 2644, 2777
cucumbers 2651
cut flowers 617
fruits 140, 578-580, 585, 1715, 2662, 2700, 2702-2703
grain 2265, 2311
kiwifruits 1911, 2321
maize 520, 1240
melons 586
mushrooms 1175
nectarines 145, 540, 542, 1160, 1176, 2644
olives 2220, 2658
onions 577, 2653
parsley 586
pawpaws 576
peaches 132, 145
pears 131, 138, 584, 589, 1153, 1168, 1683, 2644, 2647, 2679, 2706
peas 148
persimmons 1259
plums 145, 1642-1643, 2644
pot plants 617
potatoes 1181
Pyrus pyrifolia 584
raspberries 1851, 1903
red currants 158
small fruits 2228
strawberries 1154, 1635, 1651, 1653, 1866
sunflower seeds 2595
tomatoes 581, 725, 836, 1169, 1856
vegetables 140, 579-580, 586, 691, 1715, 2424, 2662, 2700, 2702
wheat 1762
cooling
asparagus 1152, 1174
cereals 2604
fruits 1075
globe artichokes 1652
horticultural crops 1065
Lentinula edodes 1149
nectarines 540
onions 611
ornamental plants 1986
peaches 1074, 1563
Pleurotus 1149
potatoes 2248
rice 1094
Sechium edule 1150
strawberries 1653
vegetables 1075-1076
covers, sugarbeet 177-178
cultivars
apples 583
bananas 1163
onions 2676
pears 584
Pyrus pyrifolia 584
soyabeans 2599
tomatoes 2686
wheat 2598
decision making, rice 1589
deterioration
sugarbeet 179
sugarcane 1874, 2708
sweet sorghum 2710
drying
cereals 2604
Chamomilla recutita 619
potatoes 2343
duration
Canavalia 1109
cowpeas 1583

Storage *cont.*
duration *cont.*
grapefruits 1660
passion fruits 2215
economics
agricultural products 1575
beetroots 1634
grain 893, 1431
conferences, Germany 952
yams 1193
energy consumption, rice 521
environment
cotton 2786
potatoes 1190
enzymes
bananas 2195
chrysanthemums 2250
ethylene
apples 573, 1680
bananas 1163
fruits 140, 2701
pears 2679
tomatoes 1169
vegetables 140, 2701
farm storage
carrots 1645
grain 40, 893
sugarbeet 613
sweet potatoes 1196
vegetables 693
food supply, grain 1588
gene expression, apples 1691
Germany
agricultural products 2572
grain 891
guidelines, grain 95
heat production, grain 89, 2149
heat storage coefficients, mustard 1098
heat transfer
maize 1110
Phaseolus vulgaris 1111
sorghum 1102
soyabeans 1111
heat treatment
apples 147, 1639
avocados 1843
citrus fruits 680
cut flowers 667
fruits 1853, 2325
reviews 1243
grapefruits 1226, 1631, 1636, 1842
lemons 1869
Litchi 2672
mangoes 663, 1837, 2231, 2654
mangosteens 1228
nectarines 2300
onions 1861, 2771
oranges 1156
sorghum 222
strawberries 2194
vegetables 1853
reviews 1243
history, rice 1581
hot water treatment
apples 135
avocados 1858
grapefruits 1631
guavas 260
mangoes 1229
melons 1638, 2319
pawpaws 1254
Sechium edule 1151
humidity
apples 1073, 1661
asparagus 1152, 1663
bananas 1162, 2663
Canavalia 1109
cucumbers 563
grain 2311
groundnuts 1587
maize 520
Mucuna pruriens 708
onions 133, 2771
pawpaws 1254
potatoes 599, 1195, 1255
sorghum 2592
soyabeans 2597
sunflower seeds 2596
tomatoes 1640, 1873
hypobaric storage
apples 486

Storage *cont.*
hypobaric storage *cont.*
roses 1718
India, rice 383
irradiation
asparagus 2680
bananas 306
Capsicum 604
cauliflowers 1659
garlic 595, 606-607
grapefruits 2329
maize 1240
onions 605-606
pineapples 2768
potatoes 2446, 2682
raisins 1840
strawberries 1154, 1899
Ziziphus mauritiana 541
Italy, apples 389
light
horseradish 1713
potatoes 599, 1184
loads
grain 2164
sunflower seeds 1593
wheat 2148
mechanization
fodder 1626
potatoes 1710
mixing, grain 2609
modified atmosphere storage 1057
apples 1681-1682
asparagus 1904
avocados 2245
bananas 1163
broccoli 67, 1673
cabbages 1172, 2132
cherries 503
chicory 571
fruits 65, 579-580, 582, 1069, 1191, 1646, 1692, 1702, 2662
Europe 1068
horticultural crops 504, 2132
bibliographies 2659
melons 586, 1172, 2132
mushrooms 2240
mustard 172
oranges 1197
parsley 586
pawpaws 2244
peaches 153
persimmons 2646
Pyrus bretschneideri 1647
strawberries 2194
tomatoes 503, 836, 1172, 1640, 2132
Vaccinium corymbosum 1637, 1681
vegetables 65, 579-580, 582, 586, 1069, 1191, 1646, 1692, 1702, 2662
Europe 1068
moisture content
Canavalia 1109
grain 94, 248, 2149, 2608
maize 1238, 1579
Papaver somniferum 2147
peas 2694
rapeseed 2147
rice 2150
rye 1124
sorghum 1101, 2717
triticale 2594
wheat 88, 643, 1238, 1849, 2598
nutritive value
fruits 162
maize 520
rye 1124
vegetables 162
optimization
apples 2959
grain 1431
rapeseed 2505
sugarbeet 1716
ozone, potatoes 173
packing
Agaricus bitorquis 1649
apples 572
asparagus 1663
broccoli 67
cabbages 1172, 2132
cherries 503
fruits 65, 2123

Storage *cont.*
packing *cont.*
grapes 556
horticultural crops 504, 2132
Litchi 2197
mandarins 2198
melons 1172, 2132
mushrooms 2240
mustard 172
okras 1170
oranges 2328, 2773
pawpaws 576
peaches 153
persimmons 1712
plums 2219
rice 2158
Sechium edule 1151
tomatoes 503, 1172, 2132
Vaccinium corymbosum 1637
vegetables 65, 141, 2123
physiology
apples 1661, 1674, 1888, 1896, 2229, 2670
asparagus, reviews 1904
Averrhoa carambola, reviews 1658
avocados 156
bananas 288, 733, 1161-1162
Benincasa hispida 2223
broccoli 2099, 2214
cauliflowers 1659
cherimoyas, reviews 1282
citrus fruits 288
cowpeas 1584
cucumbers 567
essential oil plants 2252
fruits 2975
grapefruits 1671
horticultural crops 551
Litchi 288
Luffa acutangula 2223
mangoes 2660
Momordica charantia 2223
nectarines 1891
onions 539
oranges 1671
peaches 2813, 2816
pears 138, 2799
plums 2217
pome fruits 1664
conferences 1990
potatoes 1183
raspberries, reviews 1903
tomatoes 299, 727, 1632, 2201
Vaccinium corymbosum 1637, 2650, 2665
vegetables 141
Vigna unguiculata subsp. *sesquipedalis* 2223
research
potatoes 1984-1985
vegetables 417
reviews
potatoes 600-601
sorghum 2152
sacks, grain 522, 1578
standards
grain, Romania 1592
wheat, India 85
sulfur dioxide
grapes 556, 679, 1248
kiwifruits 1266
onions 1861
systems
apples 154
asparagus 1152
beetroots 1634
cabbages 558
Chinese cabbages 1633
cocoa 1415
Colocasia esculenta 161
cowpeas 2156
faba beans, Sudan 83
foods, books 957
grain 519
books 1488
USSR 84
maize 676, 2949
onions 929
Panax quinquefolius 1979
pears, Moldova 1662
persimmons 1712

Storage *cont.*
systems *cont.*
plums 1989
Sechium edule 1150
tulips 615
temperature
Agaricus bitorquis 1649
Amorphophallus rivieri 1694
apples 1073
Averrhoa carambola 2652
avocados 2131
bananas 1161, 1163, 1898
Benincasa hispida 2223
breadfruits 2645
Capsicum 2218
Citrus iyo 134
cucumbers 1630
Eugenia dysenterica 1656
ginger 180
grain 1087
groundnuts 1587
horseradish 1713
lettuces 610
Litchi 2197
Luffa acutangula 2223
mandarins 2198
mangoes 1142
Momordica charantia 2223
mushrooms 2213, 2230
mustard 172
onions 133, 2771
ornamental bulbs 2309
Papaver somniferum 2147
passion fruits 2215
peaches 2816
pears 2451
persimmons 565
potatoes 168, 599, 1180-1181, 1195, 1255, 1698, 1700, 2339, 2894
rapeseed 2147
raspberries 1851
rice 961
Sechium edule 1150
sorghum 2592
soyabeans 2597
strawberries 1651
sunflower seeds 2596
sweetcorn 1701
tomatoes 727, 1632, 1873, 2335, 2350
triticale 2594
Vaccinium corymbosum 1637
Vigna unguiculata subsp. *sesquipedalis* 2223
wheat 643
treatment
asparagus 1152, 2202
avocados 2669
Begonia cheimantha 328
chrysanthemums 2250
Citrus iyo 134, 144
fruits 1570
grain 24, 94
grapefruits 151
grapes 1143
kiwifruits 574
maize 677
mangoes 1872
nectarines 1066
oranges 2773
pawpaws 1227
persimmons 2648
Phaseolus vulgaris 1582
potatoes 603
roses 2392
satsumas 170
Sechium edule 1150-1151
sunflower seeds 81
tomatoes 1889, 2201, 2350
vegetables 1570
underground storage
maize 1579
sweet potatoes 1196
ventilation
apples 1684
cereals 2604
cowpeas 2731
grain 2609
horseradish 1713
maize cobs 1088
potatoes 1195

Storage *cont.*
ventilation *cont.*
sugarbeet 613, 2249
wrappings
apricots 592
Averrhoa carambola 2652
breadfruits 2645
citrus fruits 680
Citrus iyo 134
globe artichokes 2578
melons 1638
oranges 1156
Sechium edule 1150-1151
Storage decay
agricultural products 1234, 2764
biological control 2310
almonds 2781
apples 280, 285, 287, 683, 699-700, 706, 1171, 1252-1253, 1263, 1668, 1690, 2322
aubergines 1262
avocados 267, 275-276, 278, 705, 1858-1859, 2496
bananas 282
barley 2863
Brassica 1257
broccoli 67
cabbages 696, 2323
Capsicum 604, 1262, 2218
carrots 279, 704, 1254, 1871, 2317
cauliflowers 1264
celery 1245
cereals 2601
cherries 2777, 2780
citrus fruits 283, 1863, 2330
cocoa 707
Colocasia antiquorum 1268
Colocasia esculenta 161
cotton 2786
cucumbers 1159, 1860, 2341-2342, 2784
cut flowers 1272
Docynia indica 2331
feijoas 1265, 2668
foods 2256
fruits 287, 1246, 1258, 2324-2325, 2333-2334, 2337, 2774
biological control, reviews 1864, 2772
garlic 606
grain 671, 673, 1236, 1241, 2311, 2863
grapefruits 1631, 1636, 1660, 2329
grapes 556, 679, 1248, 1256, 2320, 2775
kiwifruits 287, 574, 682, 1266, 1867, 2321, 2326, 2778-2779
kumquats 2315
lemons 680, 1641, 1869, 2779
lettuces 2424
maize 206, 675-677, 1235, 1238, 1240, 1579, 2503, 2765-2766
mandarins 277
mangoes 284, 606, 1166, 1242, 1859, 1862, 1872, 2336
melons 1267, 2319
mustard 172
okras 1170
onions 133, 577, 606, 1247, 1249, 1861, 1870, 2313, 2653, 2771
oranges 1156, 1644, 1868, 2315, 2328, 2773
passion fruits 703
pawpaws 271, 1227, 1252, 1254, 2776, 2782
peaches 153
pears 1244, 1250, 1261, 1689
peas 1254
persimmons 1259
Phaseolus vulgaris 2767
Phyllanthus emblica 2332
pineapples 272-274, 2768
plums 2674
pome fruits 287, 1251
pomegranates 1003
potatoes 281, 686, 689-690, 692-693, 695, 697-698, 701-702, 1255, 1260, 1698, 2243, 2338-2340, 2343, 2779, 2783
pummelos 680
quinces 2785
raspberries 1851, 1903
rice 672, 674, 2259
roses 1269, 1876
Storage decay *cont.*
Ruscus hypoglossum 1270, 1875
safflower 1237
satsumas 170
Sechium edule 1150-1151
sorghum 222, 2717
stone fruits 287
strawberries 1653, 1866, 2194, 2314, 2779
subtropical fruits 270
sugarbeet 2788-2789
sunflower seeds 670
swedes 694
sweet potatoes 1254, 2318, 2497
tomatoes 836, 1856, 1873, 2316, 2335, 2337, 2452
triticale 2594
tropical fruits 270, 2770
turnips 694
Vaccinium 1173
vegetables 684-685, 687-688, 691, 693, 1258, 2324, 2333
biological control, reviews 1864
walnuts 2781
wheat 266, 1238, 1847, 2863
yams 2327
Storage dips
antioxidants
apples 1682-1683
pears 1683
antitranspirants
mangoes 1142
Sechium edule 1151
tomatoes 1856
ascorbic acid
apples 1682
globe artichokes 2578
calcium, carrots 550
calcium chloride
apples 147, 1682, 2206
globe artichokes 2578
mangoes 1155, 1887
calcium nitrate, *Litchi* 2197
citric acid, globe artichokes 2578
fungicides
apples 135, 146, 159
avocados 705, 1843
grapefruits 591
lemons 1641
melons 1267
oranges 591, 2328
Sechium edule 1150-1151
tomatoes 1856
growth regulators
lemons 680
mangoes 1142, 1166
pummelos 680
sodium metabisulfite, coconuts 505
sucrose esters
fruits 130
ginger 180
vegetables 130
surfactants, tomatoes 1856
waxes
avocados 705
Citrus iyo 134
fruits 1164
ginger 180
grapefruits 151, 591, 1671
lemons 680
mandarins 1648, 2198
mangoes 587
melons 1267
oranges 591, 1156, 1671
pummelos 680
Sechium edule 1151
Storage disorders
apples 135, 146, 159, 174, 280, 287, 486, 543, 552, 559, 572-573, 575, 583, 590, 596, 1139, 1145, 1147, 1158, 1168, 1171, 1253, 1552, 1629, 1639, 1657, 1665, 1667-1668, 1674-1680, 1682-1688, 1691, 2200, 2227, 2641, 2696-2697
apricots 592
aubergines 1157
Averrhoa carambola 2652
avocados 155-157, 293, 308-309, 729
bananas 1163, 2216
Benincasa hispida 2223
Capsicum 1157, 2769
Storage disorders *cont.*
cherimoyas 1167
citrus fruits 287, 680
cucumbers 563, 1159, 1630, 2651
Cucurbita pepo 136
Eugenia dysenterica 1656
fruits, expert systems 2246
grapefruits 1631, 1660
grapes 556
lemons 1641
lettuces 610
Litchi 2210
Luffa acutangula 2223
mangoes 1155, 2231, 2654
Momordica charantia 2223
nectarines 296, 540, 542, 709, 715, 1176, 2199, 2233, 2300, 2355, 2642, 2812
reviews 2232
okras 1170
oranges 1156, 1644
peaches 287, 1144, 2199, 2813
reviews 2232
pears 584, 1153, 1683, 2647, 2814
pineapples 272
plums 145, 287, 2203
potatoes 1705, 2446
Protea eximia 1294
Pyrus bretschneideri 1647
Pyrus pyrifolia 176, 584
Pyrus ussuriensis 176
Sechium edule 1151
sweet potatoes 2497
tomatoes 1157, 1632, 2649, 2671
vegetables 588
expert systems 2246
Vigna unguiculata subsp. *sesquipedalis* 2223
Storage life, cultivars, melons 1704
Storage losses
groundnuts 1587
hay 2183, 2638
maize 2285
potatoes 1698-1699
silage 2624
sorghum 2285
sugarcane 1717
vegetables, Russia 688
wheat 2285
Storage quality
altitude, apples 1684
assessment
apples 2551
apricots 164
Brussels sprouts 2226
carrots 1188, 2111-2112
cucumbers 570
lucerne 2151
pears 2814
Pennisetum glaucum 1357
tomatoes 1148
biochemistry, tomatoes 300
breeding
cherries 2695
fruits 2662
maize 2286
Pelargonium domesticum 618
potatoes 269, 1705, 2454
tomatoes 609, 1137, 1187, 2830
vegetables 2662
cleaning, sweet potatoes 1046
climate
apples 2209
pome fruits 1664
cultivars
apples 1171, 1654, 2205, 2242, 2678, 2689
avocados 2693
cabbages 175
celeriac 1186
cherries 555
feijoas 2668
leeks 545
peaches 149, 2688, 2692, 2813
pears 2814
peas 2694
potatoes 1696, 1698-1700, 2141, 2243
raspberries 166
strawberries 165, 608
sugarbeet 2709
sugarcane 2787

Storage quality *cont.*
cultivars *cont.*
sweet potatoes 2687
tomatoes 546, 2690
Vaccinium 1173
cultural methods
pome fruits 1664
potatoes 2238
drying, onions 611
environment
apples 2209
kiwifruits 1284
potatoes 1255
vegetables 687
fertilizers
apples 1668, 2224
cabbages 1146
oranges 564
plums 2674
potatoes 692, 701, 1185, 2234-2235, 2238, 2685
flowering date, apples 135
genetic engineering, tomatoes 1998
genetic transformation, tomatoes 318
grading, sweet potatoes 1046
growth regulators
apples 573, 1666
mandarins 2193
soyabeans 2153
handling, mushrooms 1672
harvesting date
apples 135, 573, 1667, 1686, 2222
cabbages 1146
kiwifruits 1284
pears 1689
plums 2203
sorghum 2717
soyabeans 2153
sugarbeet 612
irrigation, cucumbers 1630
maturity
apples 174, 560, 1682, 1684, 2641, 2675
bananas 298
cherries 555
chicory 2225
groundnuts 1580
pears 1689
Physalis peruviana 2666
pome fruits 1664
potatoes 1696
strawberries 1653
mineral oils, kiwifruits 2698
nutrition
apples 552, 575, 589, 596, 1670, 1675-1676, 1900
cucumbers 570
mangoes 2677, 2794
mushrooms 2213
pome fruits 1664
Ruscus hypoglossum 1270
tomatoes 1655
organic farming, apples 2196
polyploidy, apples 169
position, plums 2203
protected cultivation, *Freesia* 2389
pruning, apples 1665-1666
ripening, mangoes 2818
site factors, apples 2204
size, nectarines 709
soilless culture, tomatoes 1655
solar radiation, apples 1165
sowing date
onions 553
radishes 554
temperature, *Primula vulgaris* 760
thinning, apples 1147
transport
Dieffenbachia 511
poinsettias 511
pot plants 512
yields, avocados 309

Stored products pests
agricultural products 1983, 2255, 2713
Canada 1202-1203
Ukraine 1845
Alpinia purpurata 1232
Anigozanthos manglesii 1233
Anthurium 2308
apples 660, 1838
Averrhoa carambola 259

Stored products pests *cont.*
avocados 1841, 1843, 2496
Banksia hookeriana 1233
barley 1830, 2729
cassava 649, 665, 1218
Chamelaucium uncinatum 1233
cherries 313, 662
chickpeas 229, 239, 634, 1759, 2287
Cicer arietinum 1220
cocoa 1231
control 185, 1725, 2496, 2717
analysis 258
biological control 2256
chemical control 621, 627, 2256
tropics 642
chilling 1505
controlled atmospheres 2644
electromagnetic radiation 253
expert systems, tropics, grain 2271
fumigation 2711-2712
heat treatment 624, 1844
integrated control 1204
packing 625
physical control 2727
plant extracts 2299
reviews, grain 1797
copra 2303
Coriandrum sativum 262
cotton 1220
cowpeas 193, 198, 636-637, 646, 1208, 1221, 1225, 1733, 1760, 1765, 1819, 2266-2269, 2281, 2287, 2290-2292, 2731
cut flowers 667, 1232, 2308
cut foliage 1232
Cycadaceae 2308
detection 217, 2721
Dioscorea alata 2758
dried fruit 664
faba beans 214, 2296
Sudan 83
fennel 262
foods 2256
fruits, India 661
gamma radiation, effects 2254
grain 213, 248, 642, 1735, 1750, 1763, 1801, 1808, 1818, 1820, 1978, 2261, 2264-2265, 2289, 2715, 2718, 2739
India 212
Mexico 1803
South Africa 1820
Tanzania 1224
UK 641
grain legumes 250, 1765
grapefruits 1226, 1842
groundnuts 201, 640, 653, 658, 1220, 1814, 1822-1823, 2725, 2744
Nigeria 1827
guavas 260
hay 1763
hazelnuts 653
insecticide resistance 640
phosphine 1773
insecticides, toxicity 258
Ixora 1232
Kenya 183
Lablab purpureus 1221
lemons 1641
lentils 1213, 1774
Litchi 2672
Macrotyloma uniflorum 2287
maize 188, 190, 192, 194, 198-199, 203, 206, 225-226, 231, 236, 240, 249, 638, 649-650, 653, 1216, 1218, 1222-1223, 1326, 1505, 1744, 1754, 1758, 1778, 1806, 1828, 2259, 2272, 2285-2286, 2291, 2297, 2719, 2727
mangoes 663, 1229, 1837
mangosteens 1228, 1836
melons 2305
millets 1795, 2727
mustard 1220
nectarines 2300, 2753-2754
USA 256
Nelumbo nucifera 668
Nerium oleander 1232
nuts, India 212
onions 2313
Orchidaceae 2308

Stored products pests *cont.*
ornamental bulbs 2309, 2763
parasitoids
Bracon hebetor 623
Laelius pedatus 623
pawpaws 1227, 1844
pears 2451
peas 208, 2287
Pennisetum americanum 2294
Pennisetum glaucum 2724
Phaseolus 234
Phaseolus lunatus 221
Phaseolus vulgaris 221, 223-224, 239, 639, 645, 648, 1217, 1732, 1736, 1741-1742, 1747, 1757, 1789, 2287, 2751
Mexico 1803
pheromones 2256
pigeon peas 200, 233, 247, 1812, 2749
plant extracts, effects 1764, 1830
potatoes 659, 1230, 1835, 1839, 2299, 2301-2302, 2304, 2306, 2755
raisins 255, 1840, 1997
reports, Australia 2974
rice 204, 210, 252, 1743, 1756, 1787, 2728, 2737
rye 1761
sesame 1220
Sesbania aculeata 262
sorghum 199, 222, 227, 241, 1218, 1220, 1815, 2270, 2285, 2717, 2720, 2727
soyabeans 1765, 2287
Sphenostylis stenocarpa 1765
spices 263, 1846
straw 1763
sunflower seeds 670
Romania 670
sweet potatoes 1834, 2757
tobacco 2760-2761
triticale 649, 1761
Vaccinium angustifolium 2759
Vigna angularis 2273, 2277, 2728
Vigna mungo 626, 1211, 1213, 1753, 1825, 2287
Vigna radiata 235, 244, 1210-1212, 1221, 1753, 1777, 1779, 1825, 2287, 2726
Vigna radiata × *Vigna sublobata* 1210
Vigna subterranea 1765
walnuts 1832
wheat 198-199, 205, 208, 216, 218-219, 246, 251, 643, 649, 653, 1220, 1540, 1740, 1746, 1761-1762, 1770, 1776, 1847, 2272, 2280, 2285, 2295, 2504, 2727, 2745, 2747, 2750
Ethiopia 633
yams 257, 649

Stores
building materials, agricultural products 1576
cold stores
building construction, books 2498
oranges 549
potatoes, Pakistan 1195
controlled atmosphere stores
equipment 2707
fruits 1715, 2702-2703
scrubbers 1099
vegetables 1715, 2702
disinfection, ozone 1085
environmental control 514
fruit stores
automatic control 2700
building construction 171, 549
books 2498
energy conservation 1194
equipment 2707
insulation 549
scrubbers 2701
sensors 544
ventilation 1194
grain stores
aeration 1095, 2608
air flow 87
automatic control 2608
books 1488
building construction 88, 2167
building materials 1108, 1225, 1576
buildings 1224
buyers' guides, Australia 90
cooling 93

Stores *cont.*
grain stores *cont.*
design 2603
humidity 1594
Italy 2600
Nigeria 2603
planning 518
safety devices 1112
temperature 1594
wall pressure 2602
image processors, cleaning 1099
potato stores
cleaning 1711
cooling 2247
costs 2991
design 2705
environmental control 599, 1190
ventilation 1706, 2704
vegetable stores
automatic control 2700
buildings 1193
cooling 2247
environmental control 1192
scrubbers 2701
temperature 1192, 1714
ventilation 1192
Stover, silage 525
Straw
additives
ammonia 2190
ammonium hydroxide 1128
urea 1128
urine 1128
balers 61
bales 1134
baling 2633
choppers 2118, 2441
chopping, fire prevention 2463, 2576
handling, safety 2117
silage 525
storage 1128, 1134, 2190
stored products pests
Acarus siro 1763
Cheyletus eruditus 1763
Lepidoglyphus destructor 1763
Tarsonemus 1763
Tydeus 1763
Tyrophagus longior 1763
transport 1134, 2190
wafering 2190
Strawberries
aroma 1653, 2364
colour 2691
composition
organic acids 490, 2194
phenolic compounds 2194
conferences 1476
cultivars
storage quality 165, 608
transport 2130
flavour 490
fungicides
benomyl 2314
pyrrolnitrin 2314
growth regulators
abscisic acid 2344
ethylene 2344
IAA 2344
handling, techniques 1635
insecticide residues, carbaryl 827
irradiation
gamma radiation 562, 1154, 1899
tests 562
mechanical properties 1651
metabolism
amino acids 2364
anthocyanins 1154
pectins 1899
polysaccharides 1899
sugars 291
volatile compounds 2364
quality 1653, 2194, 2548
books 956
ripening
biochemistry 2364
enzymes 291, 2344
growth regulators 2344
irradiation 1154
storage
cold storage 547, 1651, 1653, 2194, 2691
Strawberries *cont.*
storage *cont.*
controlled atmosphere storage 585, 1154, 1635, 1651, 1653, 1866
cooling 1075, 1653
heat treatment 2194, 2325
irradiation 1154, 1899
modified atmosphere storage 2194
temperature 1651
storage decay
Botrytis 1653, 2314
Botrytis cinerea 1866, 2194, 2779
Penicillium 1653
storage quality, maturity 1653
Streptomyces chromogenes, potatoes 697
Streptomyces globisporus, potatoes 697
Streptomyces griseobrunneus, potatoes 697
Streptomyces scabies, potatoes 701, 2339
Streptomyces violaceus, potatoes 697
Sudan, faba beans, storage 83
Sugarbeet
books 2986
cleaners 2077
composition, sugars 1199
cultivars, storage quality 2709
fungicides
carbendazim 2788
dicloran 2788
handling machinery 1083
marketing, USA 2961
mycotoxins, contamination 2427
quality 1055
silage 1600
storage
aeration 1716
biochemistry 1199
clamps 613
cold storage 1199
covers 177-178
deterioration 179
farm storage 613
optimization 1716
ventilation 613, 2249
storage decay 2788
Botrytis cinerea 2789
Penicillium expansum 2789
storage quality, harvesting date 612
transport, systems 1084
washers 1530
Sugarbeet pulp, silage 1113, 1127
Sugarbeet tops, silage 1123, 2621
Sugarcane
composition, fibre 2924
crop residues, utilization 2933
cultivars, storage 2708
postharvest decay 2787
processing quality 2924
quality 2114
storage, deterioration 1874, 2708
storage losses 1717
storage quality, cultivars 2787
transport, intrafarm transport 2142
Sunflower seeds
drying, moisture, sorption 2005
friction 1585
mechanical properties 1585, 1593
oils, extraction 854, 2442, 2885
processing, equipment 854
seed germination 81
storage
containers 81, 2155, 2596
controlled atmosphere storage 2595
humidity 2596
loads 1593
temperature 2596
treatment 81
storage decay 670
stored products pests
insects 670
mites 670
Romania 670
Sunflowers, silage 103
Swedes
cultivars, storage decay 694
storage, controlled atmosphere storage 691
storage decay 691, 694
Sweet potatoes
biotechnology 2453
books 1992
Sweet potatoes *cont.*
composition
sugars 1695
terpenoids 2757
cultivars, processing 2912
drying
desiccants 431
heat pumps 431
solar drying 1196
thin layer drying 474
insecticide residues
heptachlor 829
heptachlor epoxide 829
removal 829
marketing, USA 1971
processing
economics 1376
employment 1376, 1408
techniques 2897, 2907, 2912
processing quality 2448
reports 2483
storage
farm storage 1196
underground storage 1196
storage decay 2318
Alternaria alternata 1254
Aspergillus flavus 1254
books 2497
Fusarium equiseti 1254
Glomerella cingulata 1254
Rhizopus oryzae 1254
storage disorders, books 2497
storage quality
cleaning 1046
cultivars 2687
grading 1046
stored products pests
Cylas formicarius 2757
Lasioderma serricorne 1834
Tribolium castaneum 1834
stores
environmental control 1192
temperature 1192
ventilation 1192
Sweet sorghum
composition, sugars 2710
silage 2177
storage, deterioration 2710
zearalenone, contamination 2414
Sweetcorn
composition
amino acids 1288
carbohydrates 1288
starch 1288
sugars 1288
drying, high temperature drying 472
flavour 1288
marketing, developing countries 1418
maturity 1288
metabolism, sugars 472
processing, economics 1418
storage
cold storage 1701
controlled atmosphere storage 586
cooling 1076
modified atmosphere storage 586
temperature 1701
Systole albipennis
Coriandrum sativum 262
fennel 262
T-2 toxin
contamination, maize 2868
determination, rice 2427
Taiwan
fruits, marketing 1454-1455
postharvest treatment, mechanization 400
vegetables, marketing 1454-1455
Tamarillos, storage, cold storage 2667
Tanzania
appropriate technology
milling, grain 853
presses, oil plants 1936
grain
marketing 1436
stored products pests 1224
maize, marketing 1437
quarantine, *Prostephanus truncatus,* grain 1224
Tarsonemus
grain 1763
hay 1763

Tarsonemus *cont.*
straw 1763
Tarsonemus granarius
grain stores 2257
mills 2257
Taxus media, drying, thin layer drying 1024
Tea
composition
carotenes 1558
carotenoids 1558
chlorophyll 1558
flavonoids 2928
driers
fluidized beds 2080, 2537
solar energy 2080
drying, equipment 1020
processing quality 1558, 2928
Telopea speciosissima, physiology 1918
Tenebrio molitor
allergies, man 186
biochemistry
composition 2742
enzymes 651, 1751
biology, development 2732
chemosterilants, effects 1826
genetics, molecular genetics 2740
insecticides, effects 1772
physiology, muscles 1794
Tenebrio obscurum, distribution, Korea Republic 2741
Tenebroides mauritanicus, sorghum 2270
Teretriosoma nigrescens
control, *Prostephanus truncatus* 1223
maize 2297
pheromones 2297
prey
Prostephanus truncatus 1792
stored products pests 1223
Tetranychus pacificus, nectarines 256
Tetraol, determination, rice 2427
Thailand
appropriate technology, driers, maize 23
rice, exports 884, 890, 1421
Theocolax elegans
hosts 2728
Rhyzopertha dominica 2747
Sitophilus oryzae 2747
Thermal properties (*see* Properties)
Thielaviopsis basicola, carrots 2317
Thrips, nectarines 2300
Thrips simplex
control, fumigation 2763
ornamental bulbs 2763
Thryptomene calycina
physiology 1918
vase life 2397
water relations 2397
Tobacco
composition 2570
fatty acids 1531
nicotine 1531
nitrogen 1531
organic acids 1531
proteins 375
starch 1531
sugars 1531
terpenoids 2538
curing 38, 476, 977, 1021-1022, 1531-1532, 2082, 2538-2539, 2929
green crop fractionation 375
insecticide residues 839
marketing
Brazil 2962
world markets 2962
moisture content, determination 2081
packing, techniques 508
processing, mechanization 1956
stored products pests, *Lasioderma serricorne* 2760-2761
Tobacco curing sheds
buildings, tobacco 1021
equipment, tobacco 1021
Tomatoes
bacteria, contamination 268
breeding
processing quality 871
ripening 743
storage quality 609, 1137
colour 725, 1293, 2105, 2829
composition
ascorbic acid 1564
Tomatoes *cont.*
composition *cont.*
carotenoids 742
enzymes 1278, 1286, 1885
nitrates 2107
nitrites 2107
pectins 2354
polysaccharides 2354
proteins 2354
cracking 2558
crop residues, utilization 2933
cultivars
ripening 1885
storage 2686
storage quality 546
transport 2686
fungicide residues
anilazine 822
chlorothalonil 822
copper oxychloride 838
dithiocarbamate fungicides 824
mancozeb 817, 822, 838
zineb 838
fungicides
boric acid 2335
copper sulfate 2335
iprodione 1856
potassium permanganate 2335
thiophanate-methyl 1856
vinclozolin 1856
growth regulators
abscisic acid 1632
ethylene 1892, 2368, 2382, 2385-2386, 2797
IAA 2357-2358
handling, damage 75, 1062
insecticide residues 811
endosulfan 810
parathion-methyl 783
profenofos 2426
removal 831
legislation, genetic engineering 1465
maturity 2105
mechanical properties 1148, 1287, 2649
metabolism
amino acids 728
ascorbic acid 597
carotenoids 2362
chlorophyll 2824
lipids 727
organic acids 597, 2351
pectins 300
polysaccharides 300, 712, 2807
sugars 597
optical properties 2105
packhouses 1072
packing
automation 1072
damage 45
pesticide residues
carbofuran 1929
consumer attitudes 819
determination 1929
physical properties 2452
processing
cultivars 2892
peeling 2892
techniques 1411
processing quality 871, 1406, 2452
quality 64, 1564, 2105
reports, Australia 1470
respiration 725
ripening
assessment 1287
biochemistry 712, 728, 742, 2348, 2351, 2354, 2358, 2793, 2801, 2807
breeding 743
cultivars 2690
enzymes 300, 303, 305, 315, 318, 1290, 1885, 2351, 2362, 2365, 2378, 2384, 2815
fertilizers 292
gene expression 716, 741, 1273, 1275, 1906, 2368, 2370-2371, 2376-2378, 2824, 2826
reviews 314, 1910
genetic engineering 300, 315-316, 738, 741, 1277, 1289, 1907
genetic transformation 318, 1273, 2383-2384, 2826
Tomatoes *cont.*
ripening *cont.*
growth regulators 297, 1889, 1893, 2382, 2386
in vitro culture 1275
mathematical models 739
molecular genetics 320, 1290, 1906, 1909, 2386, 2824, 2829-2830
reviews 1908
mutants 739-740, 2378, 2827
physiology 312, 710, 1893, 2350, 2384
reviews 1877
proteins 2382
salinity 716
storage 725, 727-728, 1169, 1893
temperature 727
seeds, extraction 1411
senescence 2368
sorting
ergonomics 2554
mechanization 45
storage
biochemistry 597, 728
cold storage 597, 1157, 1169, 1632, 1873, 2335, 2649
controlled atmosphere storage 581, 586, 725, 836, 1169, 1856
ethylene 1169
humidity 1640, 1873
modified atmosphere storage 65, 503, 582, 586, 836, 1172, 1640, 2132
packing 503, 1172, 2132
physiology 299, 727, 1632, 2201
temperature 727, 1632, 1873, 2335, 2350
treatment 1889, 2201, 2350
storage decay 1873, 2337
Alternaria 836
Alternaria alternata 2335
Alternaria solani 2335
Clostridium botulinum 836
Geotrichum candidum 2452
Glomerella cingulata 2316
Mucor mucedo 1856
Pseudomonas syringae pv. *tomato* 2335
Rhizopus stolonifer 2335, 2452
Xanthomonas campestris pv. *vesicatoria* 2335
storage dips
antitranspirants 1856
fungicides 1856
surfactants 1856
storage disorders, chilling injury 1157, 1632, 2649, 2671
storage quality
assessment 1148
biochemistry 300
breeding 609, 1137, 1187, 2830
cultivars 2690
genetic engineering 1998
genetic transformation 318
nutrition 1655
soilless culture 1655
transport
damage 45, 75, 1079, 1564
refrigerated transport 1079
wounds 2366, 2797
Transpiration, avocados 293
Transport
cultivars, tomatoes 2686
damage
apples 1077, 1081
Dieffenbachia 511
Ficus benjamina 509
fruits 1079
poinsettias 511
raspberries 1070
tomatoes 45, 75, 1564
vegetables 1079
development policy, agricultural products 1559
energy conservation, agricultural products 58
Germany, agricultural products 2572
intrafarm transport
fruits 76
sugarcane 2142
mechanization
grain 1382

Transport *cont.*
mechanization *cont.*
potatoes 1710
rail transport, grain 387, 1429
refrigerated transport
agricultural products, Asia 1056
avocados 2131
fruits 1079, 2580-2582
mangoes 2106
ornamental plants 513
vegetables 1079, 2580-2582
road transport
agricultural products 2938
apples 1077, 1081
fruits 1456
Parthenium argentatum 2589
vegetables 1456
sea transport, avocados 2131
silage 1135
standards, Romania, grain 1592
subsidies, grain, Canada 387, 1429
systems
agricultural products, India 2116
beans 384
fruits 580
maize 384
nectarines 1066
pot plants 78
soyabeans 384
sugarbeet 1084
vegetables 580
vibration
apples 1081
fruits 2135, 2140
Tribolium
biology, development 2275
genetics, genes 635
grain 2739
irradiation, ultraviolet radiation 2739
Tribolium anaphe, genetics, molecular genetics 2740
Tribolium audax, genetics, molecular genetics 2740
Tribolium castaneum
biochemistry
enzymes 629, 1751
metabolism 1802
biology
behaviour 1795
development 188, 1775, 1804, 2276
carbon monoxide, effects 1804
cassava 665
control
chemical control 204, 226, 1770, 1787, 2272
fumigation 1231
controlled atmospheres, effects 215, 1207
distribution, Korea Republic 2741
ecology, population dynamics 1834, 2722
evolution 632
genetics
development 2276, 2735
lethals 211
molecular genetics 2740
grain 1803, 2718
groundnuts 201, 1822-1823, 1827
insect growth regulators, effects 195, 201, 246, 2718
insecticide resistance
dieldrin 2282
fenitrothion 1808
lindane 2282
malathion 201, 1755
insecticides
chlorpyrifos-methyl 1770
effects 201, 251, 1214, 1775, 2733
fenvalerate 2263
2-methoxy-5-phenyl-1,3,2-oxazaphospholidine-2-sulfide 2733
pirimiphos-methyl 1770
toxicity 187, 245, 652, 1749, 1788, 2718
maize 188, 206, 226, 240, 2272
millets 1795
pathogens 1206
Pennisetum americanum 2294
pheromones 655, 2734
plant extracts
antifeedants 1731
effects 1745, 1766
Tribolium castaneum *cont.*
plant extracts *cont.*
toxicity 1807, 2269
plant oils, effects 189
rice 204, 1787
sorghum 2270
sweet potatoes 1834
traps, pitfall traps 1795
wheat 219, 246, 251, 633, 1540, 1770, 1847, 2272, 2750
Tribolium confusum
Anigozanthos manglesii 1233
Banksia hookeriana 1233
biology, behaviour 1795
cassava 665
Chamelaucium uncinatum 1233
ecology, population dynamics 2738
genetics
lethals 211
molecular genetics 2740
millets 1795
pathogens 1737-1738
plant extracts
antifeedants 1810
toxicity 1748, 1783
plant oils, effects 1729
sorghum 2270
traps, pitfall traps 1795
wheat 633
Tribolium granarium
maize 2285
sorghum 2285
wheat 2285
Tribolium madens, genetics, molecular genetics 2740
Trichoderma hamatum, control, *Botrytis allii,* onions 1870
Trichoderma harzianum
control
Botrytis cinerea, roses 1269
storage decay, horticultural crops 2779
Trichoderma viride
control
Alternaria radicina, carrots 704
Botrytis allii, onions 1870
Sclerotinia sclerotiorum, carrots 704
storage decay, horticultural crops 2779
Trichogramma, hosts, *Sitotroga cerealella* 1769
Trichogramma evanescens
hosts
Ephestia kuehniella 2756
Sitotroga cerealella 2756
Trichogramma minutum
hosts
Ephestia kuehniella 2756
Sitotroga cerealella 2756
Trichogramma mwanzai, hosts, *Sitotroga cerealella* 1769
Trichogramma pretiosum
biology, environmental factors 228
hosts, *Ephestia cautella* 228
Trichogrammatoidea eldanae, hosts, *Corcyra cephalonica* 2714
Trichosanthes dioica, insecticide residues, aldicarb 834
Trichosporon, control, *Botrytis cinerea,* apples 2322
Trichothecenes
contamination, maize 2866
production, *Fusarium sporotrichioides* 2854
Trichothecium
fruits 681
vegetables 681
Trichothecium roseum, sunflower seeds 670
Trifolium
protein extraction 2423
radioactivity, decontamination 2423
silage 110
Trifolium hybridum, hay 461
Trifolium pratense
hay 461, 998, 1605, 2168
seeds, drying 30
silage 998, 1116, 1119, 1126, 1605, 1607, 2172, 2616
Trifolium repens, silage 1603
Triticale
composition
cadmium 1340
lead 1340
cultivars, stored products pests 1761
seed germination 82
silage 1115, 2178
storage
cold storage 82, 2594
containers 82
moisture content 2594
temperature 2594
storage decay
Aspergillus 2594
Penicillium 2594
stored products pests
Prostephanus truncatus 649
Sitophilus oryzae 1761
Trogoderma granarium
control, chemical control 1770
grain 1818, 1820
groundnuts 1814
insecticides, chlorpyrifos-methyl 1770
maize 199, 206, 1216
Pennisetum glaucum 2724
plant extracts
antifeedants 1810
effects 2748
plant oils, effects 1814
predators
Acaropsellina sollers 1818
Cheyletus malaccensis 1818
rearing techniques 230
sorghum 199, 2270
wheat 199, 1540, 1770
Trogoderma inclusum, grain 1820
Trogoderma variabile, grain 1820
Tropical crops
exports 917
imports, USA 916
Tropical fruits
drying, systems 2073
imports, Japan 915
marketing
European Communities 390
UK 1447
ripening
biochemistry 2770
reviews 2819
storage, heat treatment 2325
storage decay 2770
Colletotrichum 2770
Tropics
foods, pesticide residues, reviews 791
stored products pests
control
chemical control 642
expert systems, grain 2271
vegetables, books 418-419, 425
Tulips
storage, systems 615
vase life 754
Turkey
citrus fruits, exports 927
fruits, production 1061
raisins, exports 927
vegetables, production 1061
Turmeric
composition
flavonoids 1721
oleoresins 1721
pigments 1721
postharvest treatment, reviews 1957
storage, biochemistry 1721
stored products pests
Lasioderma serricorne 1846
Stegobium paniceum 263
Turnips
cultivars, storage decay 694
fungicide residues
ethylenethiourea 801
maneb 801
storage decay 694
Tydeus
grain 1763
hay 1763
straw 1763
Typhaea stercorea
control, chemical control 1787
rice 1787

Tyrophagus longior
grain 1763
hay 1763
straw 1763
Tyrophagus putrescentiae
ecology, environmental factors 2253
grain 248
Uganda, cassava, processing 1947
UK
fruits, imports 911
grain, stored products pests 641
mushrooms, marketing 1974
potatoes, storage, containers, standards 1709
tropical fruits, marketing 1447
vegetables, imports 911
Ukraine, agricultural products, stored products pests 1845
Ulocladium chartarum, fruits 1252
USA
agricultural products
exports 881, 1417
directories 882
imports 881
apples
exports 899, 918, 1975
marketing 918, 1453
citrus fruits
exports 910, 1975
marketing 909
cut flowers, marketing 1977
fruits
exports 919, 1449
imports 897, 919
marketing 1976
grain
grading, farmers' attitudes 40
marketing 386
quality, standards 1534
grapefruits, exports 908, 924
grapes, exports 1975
groundnuts, exports 887
melons, marketing 1976
nectarines, stored products pests 256
nuts, marketing 1976
onions
exports 923
marketing 1972
oranges, exports 912, 925, 2956
quarantine
Anastrepha suspensa
Averrhoa carambola 259
guavas 260
stored products pests, cut flowers 667
rice
exports 885, 890
imports 888
sugarbeet, marketing 2961
sweet potatoes, marketing 1971
tropical crops, imports 916
vegetables
imports 897
marketing 2951
wheat
exports 1963, 2945
marketing 2879
quality, standards 382
Uscana lariophaga
hosts
Bruchidius atrolineatus 1819
Callosobruchus maculatus 1225, 1819
Uscana mukerjii, hosts, *Callosobruchus maculatus* 1781
USSR
agricultural products, marketing 381
grain
postharvest losses 1850
storage, systems 84
postharvest losses 264, 381
Vaccinium
exports, Australia 1970
storage
cold storage 1173, 2228
controlled atmosphere storage 585, 2228
storage decay
Botrytis 1173
Colletotrichum 1173
storage quality, cultivars 1173
Vaccinium angustifolium, stored products pests, *Rhagoletis mendax* 2759
Vaccinium corymbosum
anatomy 2665
composition, waxes 2665
respiration 2650
storage
cold storage 1637, 2665
modified atmosphere storage 1637, 1681
packing 1637
physiology 1637, 2650, 2665
temperature 1637
Vanilla, postharvest treatment, reviews 1957
Vase life
Acacia cultriformis 759
Astilbe 2398
Bouvardia 2398
carnations 330, 765, 2391, 2833
chrysanthemums 756, 1914, 2388
Eucalyptus 759
Freesia 2389
Gerbera 747
Gladiolus dalenii 2395
Gloriosa rothschildiana 1574
Leucadendron 758
Liatris spicata 2393
lilac 338
ornamental plants 754
Paeonia 2251
Pelargonium 2836
Pittosporum tenuifolium 759
roses 325, 333, 761, 764, 767, 2392, 2398
Thryptomene calycina 2397
Vegetables
bacteria, contamination 1854
books, tropics 419
bruising 2136
Campylobacter, contamination 1933
cleaners 1569
composition
ascorbic acid 162
minerals 49
nitrates 802, 2107, 2212
nitrites 2107, 2212
conferences 410, 417
cooling
heat transfer 1570
precooling 1570
systems 1571
Europe 1065
driers
deep bed driers 2531
solar energy 1006
drying
energy consumption 2072, 2531
heat pumps 2072
solar drying 977
systems 2913
exports
India 920-921
Mediterranean countries 906
Netherlands 911
Oceania 903
South America 903
fungi, contamination 681, 1854
fungicide residues
captafol 826
determination 825, 828
mancozeb 354
maneb 354
propineb 354
thiram 354
zineb 354
graders 1044
grading
automation 1044
image processors, reviews 51
handling
damage 1080, 2136
techniques 2124
Japan 64
imports
European Communities 898
UK 911
USA 897
insecticide residues
determination 825, 828
organophosphorus insecticides 814
marketing
China 1439
developed countries 1443
Vegetables *cont.*
marketing *cont.*
European Communities 1450
Germany 2955
India 1452
Indonesia 1448
Italy 1446, 2475
Japan 1440-1442
Mediterranean countries 1444
Mexico 2952
Netherlands 1438
Taiwan 1454-1455
USA 2951
world markets 1458
packing, materials 2123
pesticide residues
assessment 341-342, 352, 816
determination 1308, 1931-1932
monitoring 806, 1346
postharvest losses, Sri Lanka 938
postharvest treatment, Nigeria 2967
production, Turkey 1061
quality 64, 1038, 1045
research, Norway 417
respiration 551
Salmonella, contamination 1853
Shigella, contamination 1853
storage 977
biochemistry 2212
cold storage 2662
conferences 1477
controlled atmosphere storage 140, 579-580, 2424, 2662, 2700, 2702
cooling 1065, 1075
ethylene 140, 2701
farm storage 693
heat treatment 1853
reviews 1243
modified atmosphere storage 65, 579-580, 582, 1069, 1191, 1646, 1692, 2662
Europe 1068
reviews 1702
nutritive value 162
packing 141, 2123
physiology 141, 551
treatment 1570
storage decay 688, 693, 2333
bacteria 2324
biological control 1258
reviews 1864
storage dips, sucrose esters 130
storage disorders, chilling injury 588, 2246
storage life 2662
storage losses, Russia 688
storage quality, breeding 2662
stores
automatic control 2700
cooling 2247
transport
damage 1079
refrigerated transport 1079, 2580-2582
road transport 1456
systems 580
tropics, books 418, 425
Vibrio cholerae, contamination 1853
washers 1569
Venturia canescens, hosts, *Cadra cautella* 184
Versicolorins, toxicity, bioassays 1919
Verticillium lateritium, cherries 2780
Verticordia, physiology 1918
Vibrio cholerae
contamination
fruits 1853
vegetables 1853
Vicia sativa
seed cleaners 1035
sorters 1035
Vigna angularis
stored products pests
Callosobruchus chinensis 2273, 2277, 2728
Rhyzopertha dominica 2728
Sitophilus oryzae 2728
Sitophilus zeamais 2728
Vigna mungo
breeding, stored products pests 1753

Vigna mungo *cont.*
cultivars, stored products pests 626
hardness 517
moisture content 2166
physical properties 2166
storage, containers 1825
stored products pests
Callosobruchus chinensis 626, 1211, 1213, 1753, 1825
Callosobruchus maculatus 1211, 1825, 2287
Vigna radiata
breeding, stored products pests 1753, 2298
insecticide residues, cypermethrin 1925
moisture content 2166
physical properties 2166
processing
economics 1376
employment 1376
equipment 2443
storage, containers 1825
stored products pests
Callosobruchus analis 244
Callosobruchus chinensis 1210-1212, 1753, 1777, 1825
Callosobruchus maculatus 235, 1211, 1221, 1779, 1825, 2287, 2726
Vigna radiata* × *Vigna sublobata, stored products pests, *Callosobruchus chinensis* 1210
Vigna subterranea, stored products pests, *Callosobruchus maculatus* 1765
Vigna unguiculata* subsp. *sesquipedalis
storage, cold storage 2223
storage disorders, chilling injury 2223
Vomitoxin
contamination
barley 2849, 2863
grain 347, 2848
maize 348, 2420, 2868, 2870
silage 2870
wheat 2421, 2849, 2863
determination
maize 2406
rice 2427
wheat 2406, 2410
production, *Fusarium culmorum* 2854, 2870
Walnuts
cracking 1007
drying, high temperature drying 1007
processing, residues 1946
storage decay
Botryodiplodia theobromae 2781
Penicillium italicum 2781
Rhizopus stolonifer 2781
stored products pests
Amyelois transitella 1832
Cydia pomonella 1832
Plodia interpunctella 1832
Washers
root crops 473
sugarbeet 1530
vegetables 1569
Watercress, colour 726
Watermelons
aflatoxins, contamination 343
grading, techniques 2108
insecticide residues 811
aldicarb 775
processing
extraction 1951
mechanization 1951
techniques 1411
seeds, extraction 1411
Weeds, seeds, contamination, buckwheat 2501
West Africa, groundnuts, marketing 2470
Wheat
aerodynamic properties 1096
aflatoxins
contamination 351, 2412, 2860
determination 2847, 2860
baking quality 848
bins
filling 1089
pressure 1595
wall pressure 1089, 2602
walls
friction 1093
Wheat *cont.*
bins *cont.*
walls *cont.*
loads 1089
cleaning
economics 385
techniques 2504
composition
cadmium 1340
lead 1340
crop residues, processing 358
cultivars
storage 2598
stored products pests 1761, 1776, 2750
damage 2160, 2574
density 991
driers
air flow 980
deep bed driers 980, 2516
fluidized beds 1495
drying
cooperatives 1513
damage 1494
microwave radiation 963
moisture, sorption 2005
moisture content 980, 2511
simulation models 982, 1514
systems 964
temperature 980, 1494
thin layer drying 1506
ventilation 2511
exports
Canada 2945
European Communities 2945
USA 1963, 2945
food supply, Zimbabwe 1967
friction 1586, 1594
fumigants
methyl bromide 2154
phosphine 266
fungi, contamination 350, 798, 2421
fungicide residues
captafol 826
ferbam 797
grading, techniques 1540
hardness 481-482, 1034
imports, India 1966
insecticide residues
chlorpyrifos-methyl 643, 1214, 1316
cypermethrin 1923
DDT 344
deltamethrin 1923
etrimfos 220
fenvalerate 1923, 2411
HCH 344
malathion 1214
pirimiphos-methyl 220, 794, 1313-1314
irradiation, gamma radiation 350
marketing
Australia 1968
India 1427, 1966
South Africa 2950
USA 2879
world markets 1428
mechanical properties 939, 1059, 1586, 2164, 2886
milling
economics 2879
energy consumption 1381
milling quality 848, 2886
mills 1379, 1381, 2439
moisture content, determination 442, 960, 991, 1518, 2022, 2037, 2042, 2514
mycotoxins, contamination 1333
nivalenol, contamination 347, 2849, 2863
ochratoxins
contamination 350, 2417, 2856
determination 2856
physical properties 1096, 2160
processing quality 1372, 2877
quality 43, 481
standards
Canada 382
Mexico 1534
USA 382, 1534
reports
Australia 945
Canada 2482
seed germination 82
Wheat *cont.*
seed treatment 397
silage 1599, 2629-2630, 2637
sorting
algorithms 2544
image processors 2544
storage
additives 2412
cold storage 82, 93
containers 82, 351, 2598
controlled atmosphere storage 1762, 2311
cultivars 2598
humidity 2311
loads 2148, 2164
moisture content 88, 643, 1238, 1849, 2598
standards, India 85
temperature 643
storage decay
Aspergillus 1236, 1238
Aspergillus flavus 266, 1847, 2311
Aspergillus ochraceus 1847, 2311
Aspergillus parasiticus 266
Eurotium chevalieri 266
Fusarium 2863
Gibberella 2863
Mucor 1847
Penicillium 1236
Penicillium citrinum 1847
Rhizopus 1847
storage losses 2285
stored products pests 2504, 2727
Corcyra cephalonica 1220
Cryptolestes ferrugineus 1762, 2264
Dinoderus distinctus 1750
Ephestia cautella 2272
Ethiopia 633
Liposcelis bostrychophilus 216
Mexico 1803
Oryzaephilus surinamensis 2264, 2272
Plodia interpunctella 653, 2272
Prostephanus truncatus 649
Rhyzopertha dominica 199, 218, 246, 1540, 1750, 1770, 2264, 2272, 2285, 2295, 2747, 2750
Sitophilus granarius 205, 1740, 1762
Sitophilus oryzae 198, 208, 246, 643, 1540, 1746, 1761, 1847, 2280, 2745
Sitophilus zeamais 2272, 2295
Sitotroga cerealella 1540, 1776, 2295
Tribolium castaneum 219, 246, 251, 1540, 1770, 1847, 2272, 2750
Tribolium granarium 2285
Trogoderma granarium 199, 1540, 1770
stores
air flow 87
building construction 88
cooling 93
humidity 1594
temperature 1594
straw 1128
temperature 2165
vomitoxin
contamination 347, 2421, 2849, 2863
determination 2406, 2410
zearalenone
contamination 347
determination 2853
Wheat bran, fungi, contamination 1849
White currants
storage
cold storage 2228
controlled atmosphere storage 2228
World markets
tobacco, marketing 2962
wheat, marketing 1428
Xanthomonas campestris* pv. *vesicatoria, tomatoes 2335
Yams
biotechnology 2453
sprout inhibition 160
storage
books 959
economics 1193
storage decay 2327
stored products pests
Opogona sacchari 257

Yams *cont.*
stored products pests *cont.*
Prostephanus truncatus 649
stores, buildings 1193
Yearbooks
avocados 394
mangoes 2969
Yeasts
contamination
foods 1304
lettuces 1852
Yersinia enterocolitica, lettuces 2424
Yucca aloifolia, pot plants, storage 512
Zabrotes subfasciatus
biochemistry, enzymes 646
biology 221
cowpeas 646
Phaseolus lunatus 221
Phaseolus vulgaris 221, 223-224, 645, 1789, 2751
plant extracts, effects 645, 1789
Zambia, maize, marketing 2949
Zearalenone
contamination
grain 347, 2848
maize 348, 2866, 2868
sorghum 2422
sweet sorghum 2414
determination
feeds 2853
foods 2837
maize 2853
rice 2427
wheat 2853
production
Fusarium crookwellense 2854
Fusarium culmorum 2854
Zimbabwe
grain
food supply 1967
marketing 2948
maize, marketing 2469, 2944, 2947, 2949
Zizania latifolia, storage, modified atmosphere storage 582
Ziziphus mauritiana
irradiation, gamma radiation 541
storage
cold storage 2661
irradiation 541
Ziziphus sativa
drying
automatic control 470
thin layer drying 467
moisture content, determination 1526
ripening
growth regulators 1879
physiology 1879
Ziziphus spina-christi
metabolism
ascorbic acid 1279
carotenoids 1279
chlorophyll 1279
phenolic compounds 1279
sugars 1279
ripening, physiology 1279

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1993 for this journal. All the titles are given in full, except abbreviated titles taken from secondary publications such as *Referativnyi Zhurnal*.
Many other serials were scanned during 1993 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

ACS Symposium Series
Acta Academiae Agriculturae ac Technicae Olstenensis, Aedificato et Mechanica.
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Academiae Agriculturae ac Technicae Olstenensis, Technologia Alimentorum
Acta Agriculturae Nucleatae Sinica
Acta Agriculturae Universitatis Pekinensis
Acta Botanica Austro Sinica
Acta Botanica Indica
Acta Chimica Hungarica
Acta Entomologica Bohemoslovaca
Acta Horticulturae
Acta Horticulturae Sinica
Acta Oecologica
Acta Ovariensis
Acta Physiologiae Plantarum
Acta Phytophylactica Sinica
Acta Phytophysiologica Sinica
Acta Universitatis Agriculturae, Facultas Horticulturae
Acta Zoologica Bulgarica
Actualidades Regional - Instituto Colombiano Agropecuario
Advances in Desert and Arid Land Technology and Development
Advances in Experimental Medicine and Biology
Advances in Horticultural Science
Aerobiologia
African Entomology
African Journal of Agricultural Sciences
African Review
Agrekon
Agribusiness (New York)
Agricoltura
Agricoltura Mediterranea
Agricultura Técnica (Santiago)
Agricultura y Sociedad
Agricultural and Forest Meteorology
Agricultural Economic Report - Economic Research Service, US Department of Agriculture
Agricultural Economics
Agricultural Engineer
Agricultural Engineering Journal
Agricultural Engineering Today
Agricultural Mechanization in Asia, Africa and Latin America
Agricultural Outlook
Agricultural Reviews (Karnal)
Agricultural Situation in India
Agricultural Zoology Reviews
Agriculture and Horticulture
Agriculture and Human Values
Agro Sur
Agrochimica
Agronomía Costarricense
Agronomie
Agronomie Tropicale
Agronomy Journal
Agropecuária Catarinense
Agrotrópica
Ahfad Journal
AIAS Occasional Publication
Akademia Techniczno-Rolnicza w Bydgoszczy, Zeszyty Naukowe, Zootechnika
Aktuelt fra Statens Fagtjeneste for Landbruket
Alimentaria
Allergologie
Alternative Appropriate Technologies in Agriculture
American Journal of Enology and Viticulture
American Potato Journal
Anadolu, Ege Tarımsal Araştırma Enstitüsü Dergisi
Analele Institutului de Cercetări pentru Protecţia Plantelor, Academia de Stiinte Agricole şi Silvice
Analyst
Analytical Letters
Angewandte Botanik
Animal Feed Science and Technology
Animal Production
Animal Science and Technology
Annales de Zootechnie
Annali dell'Istituto Sperimentale per il Tabacco
Annali di Microbiologia ed Enzimologia
Annals of Agricultural Science (Cairo)
Annals of Agricultural Science, Moshtohor
Annals of Allergy
Annals of Applied Biology
Annals of Biology (Ludhiana)
Annals of Botany
Annals of the Entomological Society of America
Annals of the Phytopathological Society of Japan
Annals of Warsaw Agricultural University SGGW, Agriculture (Agricultural Engineering)
Annual Report - Nigerian Stored Products Research Institute
Annual Report of the Society of Plant Protection of North Japan
Annual Report of the Tokyo Metropolitan Research Laboratory of Public Health
Annual Review of Plant Physiology and Plant Molecular Biology
Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
Applied and Environmental Microbiology
Applied Engineering in Agriculture
Applied Entomology and Phytopathology
Applied Entomology and Zoology
Arab Gulf Journal of Scientific Research
Arab Journal of Plant Protection
Arboriculture Fruitière
Archiv für Züchtungsforschung
Archives of Animal Nutrition
Archives of Insect Biochemistry and Physiology
Archivos de Zootecnia
Archivos Latinoamericanos de Nutrición
Arkansas Farm Research
Arquivos de Biologia e Tecnologia
ASAE Standards
ASEAN Food Journal
Asian Environment
Asian-Australasian Journal of Animal Sciences
Asparagus Research Newsletter
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Atti dell'Istituto Sperimentale per la Valorizzazione Tecnologica dei Prodotti Agricoli, Milano
Australian and New Zealand Journal of Medicine
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Avances en Alimentación y Mejora Animal
Bahçe
Bangkok Bank Monthly Review
Bangladesh Journal of Agricultural Sciences
Bangladesh Journal of Scientific and Industrial Research
Bangladesh Journal of Zoology
Bayerisches Landwirtschaftliches Jahrbuch
Beiträge zur Tabakforschung International
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Betteravier (Bruxelles)
Bio/Technology
Biochemical Journal (London)
Biochemie und Physiologie der Pflanzen
Biocontrol Science and Technology
BioEssays
Biological Control
Biomedical and Environmental Sciences
Bioresource Technology
Bioscience, Biotechnology and Biochemistry
Biotehnologija u Stočarstvu
Biuletyn Informacyjny - Instytut Zootechniki, Zakład Informacji Zootechnicznej
Biuletyn Informacyjny Przemysłu Paszowego
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Instytutu Ziemniaka

Biuletyn Warzywniczy
Boletim Técnico - Comissão Executivo do Plano da Lavoura Cacaueira
Boletim Técnico - Empresa Pesquisa Agropecuária e Difusão de Tecnologia de Santa Catarina S.A.
Boletín de Sanidad Vegetal, Plagas
Borneo Review
Bothalia
British Food Journal
British Poultry Science
British Sugar Beet Review
Buletin Penelitian Pertanian Maros
Buletinul Academiei de Ştiinţe a Republicii Moldova. Ştiinte Biologice şi Chimice
Bulletin - Agricultural Experiment Station, University of Illinois at Urbana-Champaign
Bulletin - Arkansas Agricultural Experiment Station
Bulletin - Connecticut Agricultural Experiment Station
Bulletin OEPP
Bulletin of Experimental Biology and Medicine
Bulletin of Indonesian Economic Studies
Bulletin of Taiwan Tobacco Research Institute, Taiwan Tobacco & Wine Monopoly Bureau
Bulletin of the Aomori Apple Experiment Station
Bulletin of the Faculty of Agriculture, Kagoshima University
Bulletin of the National Research Centre
Bulletin of the Research Institute for Food Science, Kyoto University
Bulletin OILB/SROP
Cahiers des Sciences Humaines
California Agriculture
Canadian Agricultural Engineering
Canadian Journal of Agricultural Economics
Canadian Journal of Animal Science
Canadian Journal of Botany
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Capsicum Newsletter
Carbohydrate Research
Cell and Tissue Research
Centro Agrícola
CEPAL Review
Cercetări Agronomice în Moldova
Cereal Chemistry
Cereal Research Communications
Československá Státní Norma
Ceylon Journal of Science, Biological Sciences
CGPRT Publication
Champignon
Chemical Regulation of Plants
Chemistry of Natural Compounds
Chimica Oggi
China Citrus
China Fruits
Chinese Journal of Biological Control
Chinese Journal of Entomology
Chinese Journal of Rice Science
Chinese Rural Economy
Chromatographia
Chronica Horticulturae
Ciência e Cultura (São Paulo)
Ciencias del Suelo, Riego y Mecanización
CIRAD/IRAT Rapport
Citrus Journal
Clinics in Chest Medicine
Colección Información Técnica Agraria. Serie Agricultura
Coletânea do Instituto de Tecnologia de Alimentos
Colloques de l'INRA
Communications in Soil Science and Plant Analysis
Compact Fruit Tree
Comparative Biochemistry and Physiology. B, Comparative Biochemistry
Comparative Biochemistry and Physiology. C, Comparative Pharmacology and Toxicology
Comparative Physiology and Ecology
Comptes Rendus de l'Académie des Sciences. Series 3, Sciences de la Vie
Computers and Electronics in Agriculture
Cooperative Sugar
Courier (Brussels)
Courrier des Pays de l'Est
CRC Critical Reviews in Food Science and Nutrition
Critical Reviews in Plant Sciences
Crop Genetic Resources
Crop Protection
Crop Research (Hisar)
Crop Science
Cuban Journal of Agricultural Science
Current Farm Economics
Current Opinion in Biotechnology
Current Research - University of Agricultural Sciences (Bangalore)
Deciduous Fruit Grower
Departmental Note - Scottish Centre of Agricultural Engineering
Departmental Technical Report - Department of Agricultural Economics, Texas A&M University
Discovery and Innovation
Dissertation Abstracts International. B, Sciences and Engineering
Doğa, Türk Tarım ve Ormancılık Dergisi
Ecological Modelling
Economic Affairs (Calcutta)
Egyptian Journal of Pharmaceutical Sciences
Ekonomist
Élelmezési Ipar
Energia Na Agricultura
Energy Conversion and Management
Entomologia Experimentalis et Applicata
Entomological News
Entomologiske Meddelelser
Entomon
Entwicklung + Ländlicher Raum
Environmental and Experimental Botany
Environmental Entomology
Environmental Science & Technology
Enzyme and Microbial Technology
Ernährung
Erwerbsobstbau
Esakia
European Journal of Development Research
European Journal of Entomology
Evolutionary Ecology
Experientia
Experimental & Applied Acarology
Experimental Mycology
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
F.O. Licht's International Sugar and Sweetener Report
F.O. Licht's International Coffee Report
FABIS Newsletter
Faculty Paper Series - Department of Agricultural Economics, Texas A&M University
FAGINFO
Fagopyrum
FAO Agricultural Services Bulletin
FAO Animal Production and Health Paper
FAO Food and Nutrition Series
FAO Plant Production and Protection Paper
FAO Plant Protection Bulletin
Far Eastern Agriculture
Farm Building Progress
FEBS Letters
Feldwirtschaft
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya Rasteniĭ
Flavour and Fragrance Journal
FloraCulture International
Folia Horticulturae
Folia Microbiologica
Food Additives and Contaminants
Food and Agricultural Immunology
Food Australia
Food Chemistry
Food Laboratory News
Food Manufacture International
Food Microbiology
Food Policy
Food Policy Study
Food Processing, UK
Food Structure
Foreign Agricultural Trade of the United States
Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft (MEG)
Fourrages
Fresenius' Journal of Analytical Chemistry
Fruit and Tree Nuts Situation and Outlook Report
Fruit Varieties Journal
Fruits (Paris)
Fruitteelt (Den Haag)
FRUT - Revista de Fruticultura
Functional Ecology
Gartenbauwissenschaft
Gate (Eschborn)
Gatekeeper Series - Sustainable Agriculture Programme, International Institute for Environment and Development.
Gazeta Cukrownicza
Gb + Gw, Gärtnerbörse und Gartenwelt
Gemüse (München)
Genio Rurale
Geothermics
Giornale Italiano di Entomologia
Good Fruit Grower
Grana
Grass and Forage Science
Grassland of China

Groenten + Fruit, Vollegrondsgroenten
Grüne
Gujarat Agricultural University Research Journal
Hanguk Nonghwahak Hoechi
Haryana Agricultural University Journal of Research
Hawaii Mac Facts
Henongxue Tongbao = Journal of Nuclear-Agricultural Sciences
Herba Hungarica
Heredity
HGCA Project Report
Himachal Journal of Agricultural Research
Hoja Informativa - INTA Manfredi
Hojas Divulgadoras - Ministerio de Agricultura, Pesca y Alimentación
Horticultura Brasileira
HortScience
HortTechnology
IAR Newsletter of Agricultural Research
IDRC Manuscript Reports
Ikonomika i Upravlenie na Selskoto Stopanstvo
Indian Cocoa, Arecanut and Spices Journal
Indian Coconut Journal (Cochin)
Indian Cooperative Review
Indian Journal of Agricultural Economics
Indian Journal of Agricultural Engineering
Indian Journal of Agricultural Marketing
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Animal Nutrition
Indian Journal of Animal Sciences
Indian Journal of Applied & Pure Biology
Indian Journal of Economics
Indian Journal of Entomology
Indian Journal of Experimental Biology
Indian Journal of Helminthology
Indian Journal of Mycology and Plant Pathology
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Perfumer
Indian Phytopathology
Indian Sugar
Indonesian Agricultural Research & Development Journal
Indonesian Journal of Tropical Agriculture
Industrie Alimentari
Industries Alimentaires et Agricoles
Informações Econômicas - Instituto de Economia Agrícola
Informatore Agrario
Informatore Fitopatologico
Infos (Paris)
Inligtingsbulletin - Navorsingsinstituut vir Sitrus en Subtropiese Vrugte
Insect Biochemistry and Molecular Biology
Insect Science and its Application
International Chickpea Newsletter
International Journal of Acarology
International Journal of Environmental Analytical Chemistry
International Journal of Food Microbiology
International Journal of Food Science and Nutrition
International Journal of Food Science and Technology
International Journal of Plant Sciences
International Journal of Radiation Biology
International Journal of Tropical Agriculture
International Journal of Tropical Plant Diseases
International Milling. Flour and Feed
International Pest Control
International Rice Research Newsletter
International Trade Forum
Invertebrate Reproduction and Development
Investigación Agraria, Economía
Investigación Agraria, Producción y Protección Vegetales
IPM Practitioner
Irish Journal of Agricultural and Food Research
Irish Journal of Food Science and Technology
ISMEA Informazioni
Isotope and Radiation Research
Israel Journal of Botany
ITEA Producción Vegetal
Izvestiya Akademii Nauk Moldavskoĭ SSR, Biologicheskie i Khimicheskie Nauki
Izvestiya Akademii Nauk SSR, Seriya Biologicheskaya
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Japan Pesticide Information
Japanese Journal of Breeding
Japanese Journal of Sanitary Zoology
Journal - Association of Official Analytical Chemists
Journal of African Economics
Journal of African Zoology
Journal of Agricultural and Food Chemistry
Journal of Agricultural and Resource Economics
Journal of Agricultural Economics
Journal of Agricultural Economics (Nongye Jingyi)
Journal of Agricultural Engineering
Journal of Agricultural Engineering Research
Journal of Agricultural Entomology
Journal of Agricultural Research of China
Journal of Agricultural Science
Journal of Agricultural Science, Tokyo Nogyo Daigaku
Journal of Agriculture and Food Chemistry
Journal of Agriculture and Forestry
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